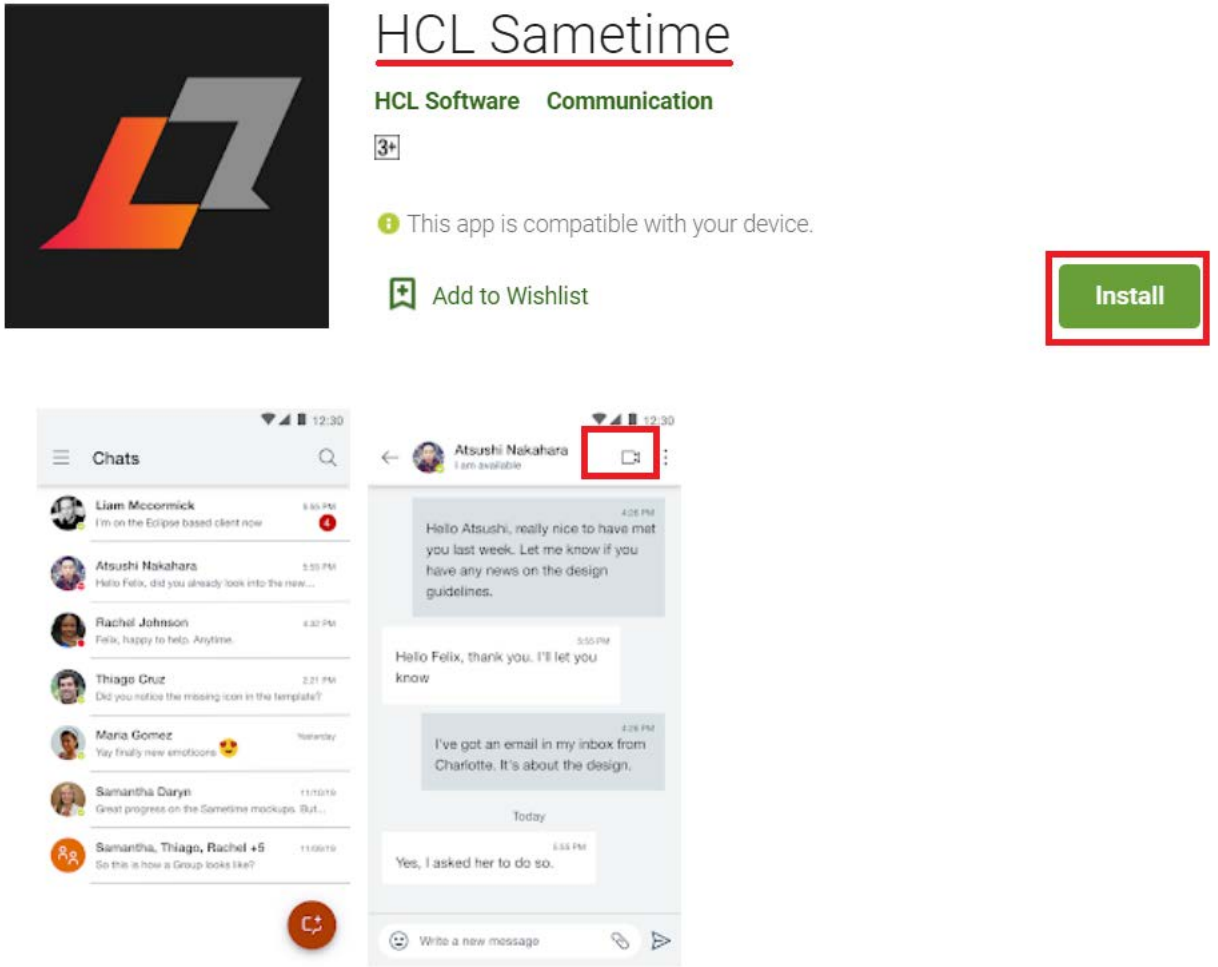
EXHIBIT E

US8861512	HCL Sametime (“The Accused Product”)
1. A method of enabling a wireless device, located in a region, to initiate a network connection without using a network operator's home location register that covers that region, comprising the steps of:	The accused product discloses a method of enabling a wireless device (e.g., Smartphone), located in a region, to initiate a network connection (e.g., SIP Invite) without using a network operator's home location register that covers that region. The accused product uses Internet or IP network for calling. As shown below, the accused product doesn’t make use of home location register (e.g., HLR).



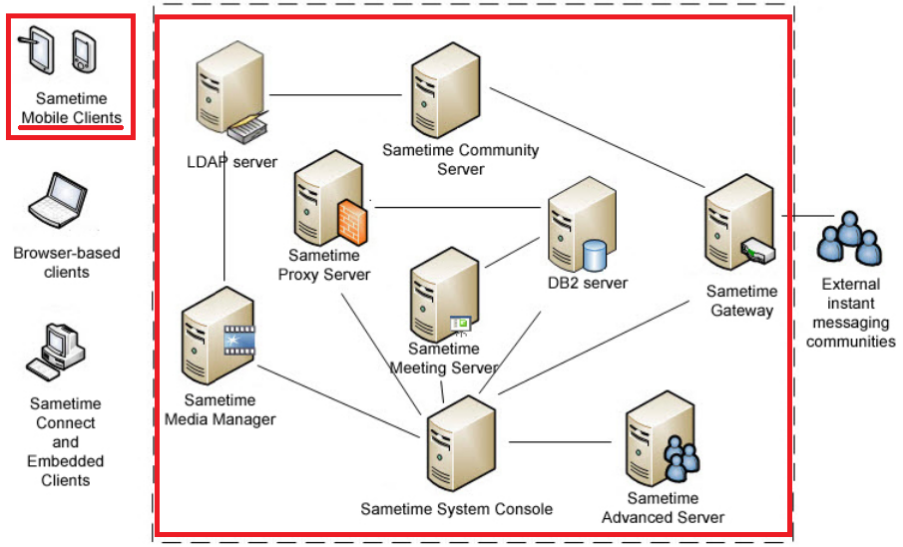
https://play.google.com/store/apps/details?id=com.hcl.android.sametime&hl=en

	HCL Sametime is a highly secure, persistent team chat app for the HCL Sametime platform. It allows users to communicate securely in real-time across devices on web, desktop or mobile. It is ideal for cross-team chat in countries with strict data privacy and gravity laws, companies in regulated industries, and government entities who need to be able to ensure the security and auditability of their data. With v11, secure conversations just got a lot easier. From a new user experience to modernized industry-standard technologies, Sametime v11 the best, most feature-rich version yet. HCL Sametime works with your Sametime 10 and 11 server infrastructure. https://play.google.com/store/apps/details?id=com.hcl.android.sametime&hl=en

Sametime server architecture

A typical IBM® Sametime® deployment includes a cluster of servers for instant messaging on an IBM Domino®-based platform and other clustered servers running on IBM WebSphere® Application Server that support meetings, audio-visual services, and connections to a variety of clients.

The illustration shows the different types of servers and clients you can have in an IBM Sametime deployment. A Sametime deployment can be comprised of several types of Sametime servers and several types of Sametime clients.



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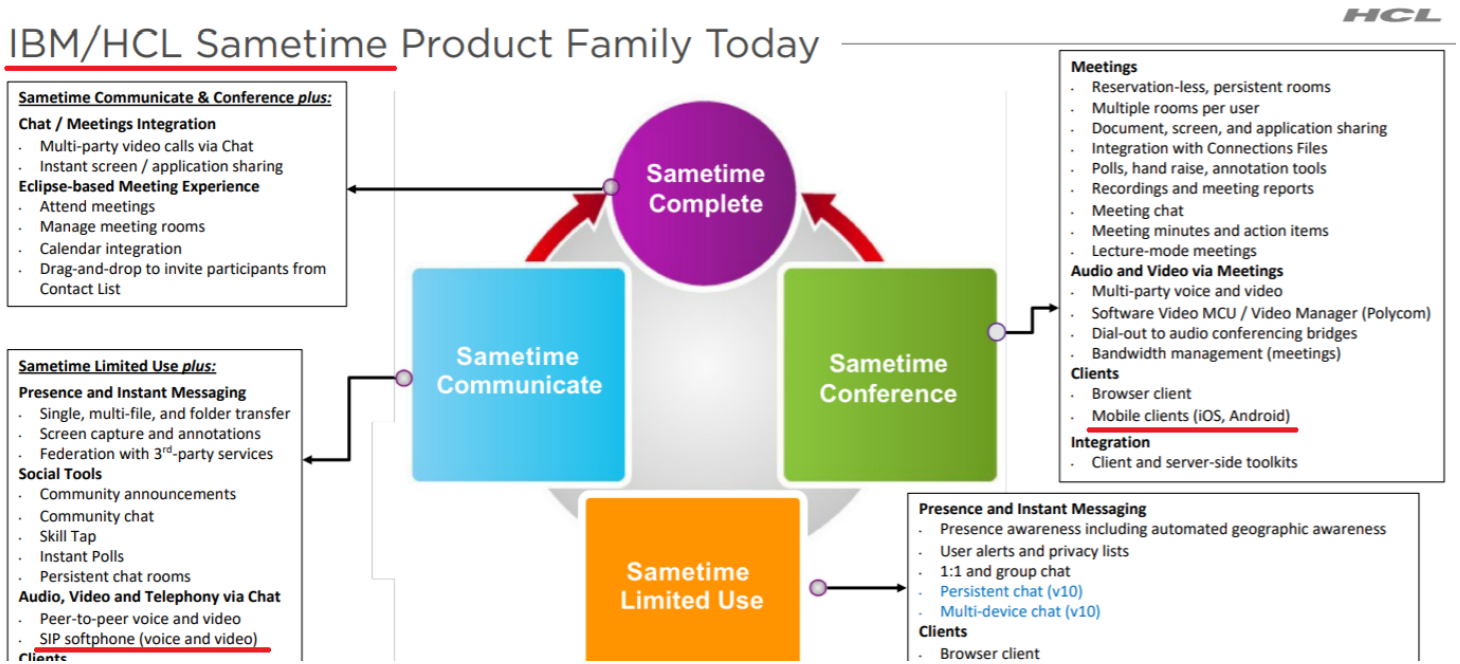

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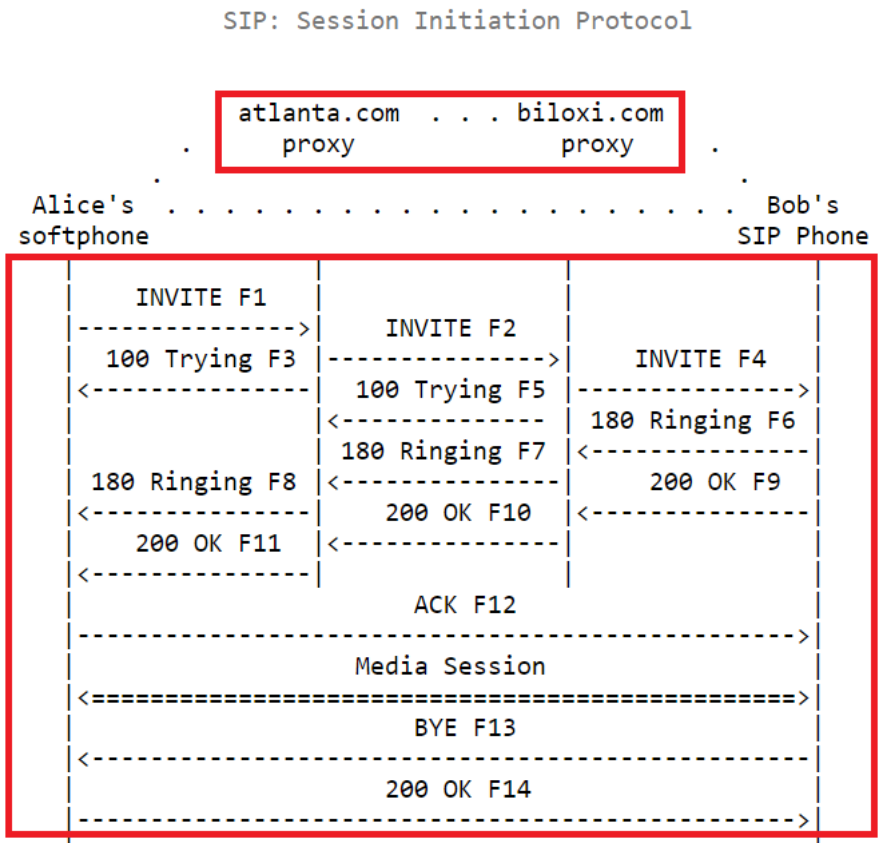
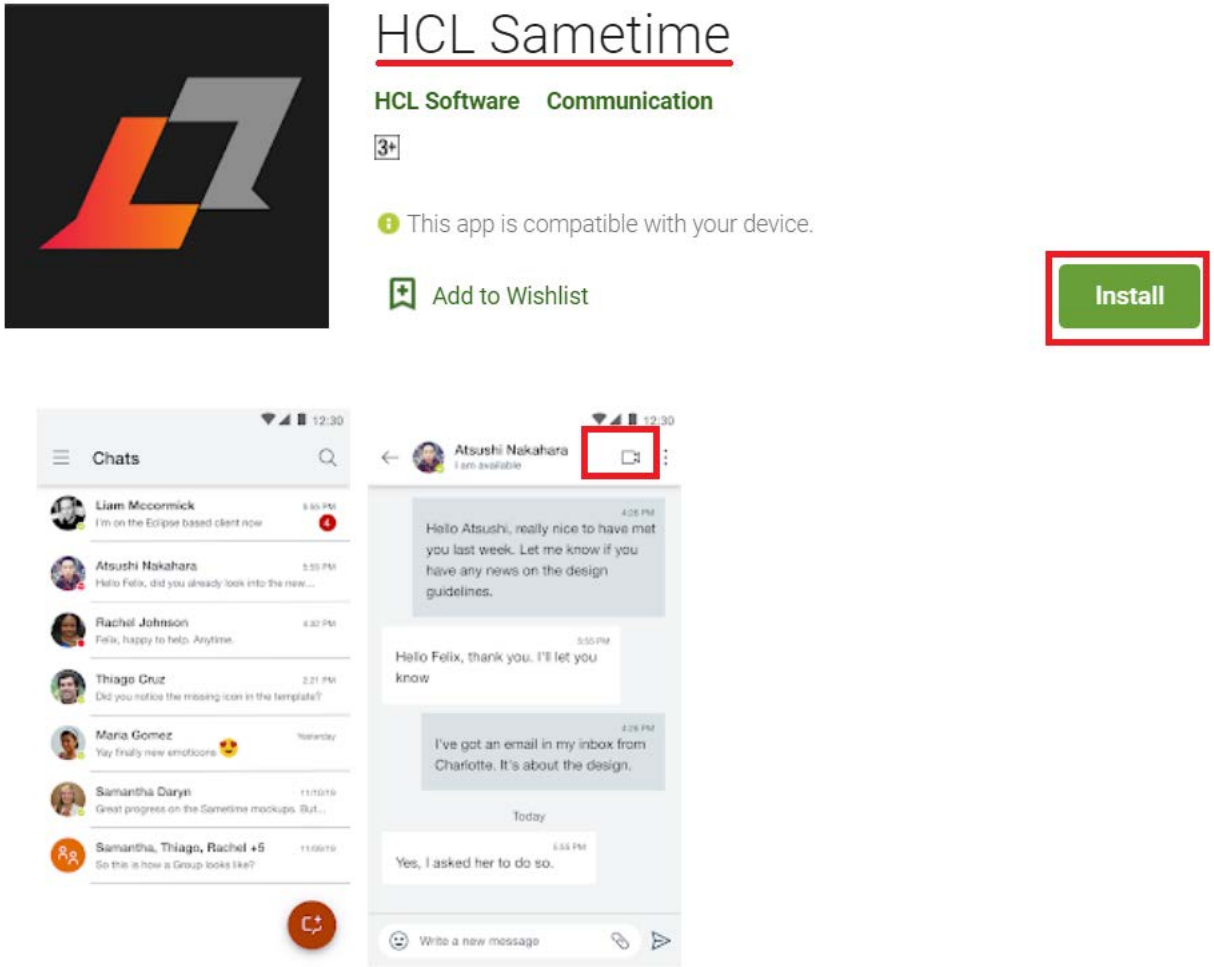
	 https://tools.ietf.org/html/rfc3261
(a) the wireless device using a module that is responsible for contacting a server to communicate with the server over a wireless link, wherein the device	The wireless device (e.g., Smartphone) using a module (e.g., HCL Sametime application) that is responsible for contacting a server (e.g., HCL Sametime server) to communicate with the server (e.g., HCL Sametime server) over a wireless link (e.g., Wi-Fi/Cellular link), wherein the wireless device (e.g., Smartphone) includes the module (e.g., HCL Sametime application) that is implemented as software and that is downloadable to the wireless device (e.g., Smartphone).

includes the module that is implemented as software and that is downloadable to the device;	 https://play.google.com/store/apps/details?id=com.hcl.android.sametime&hl=en

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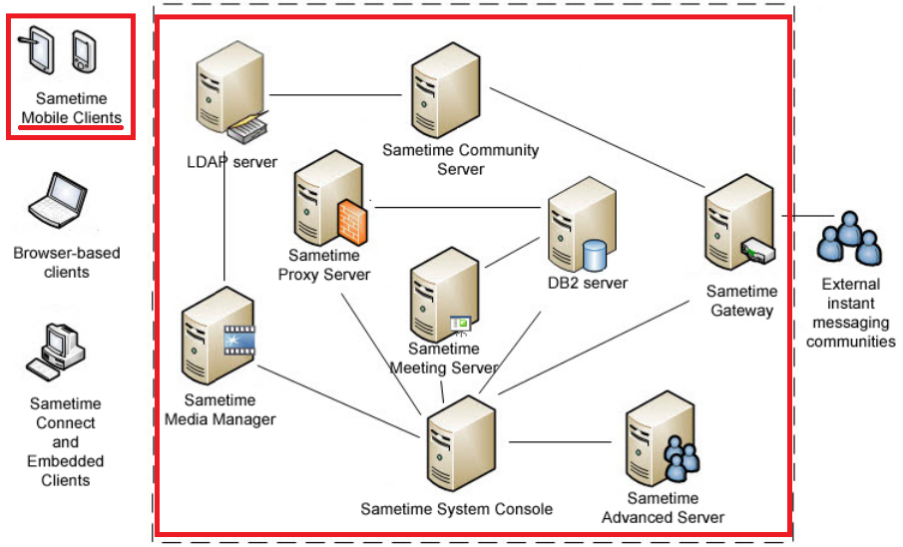

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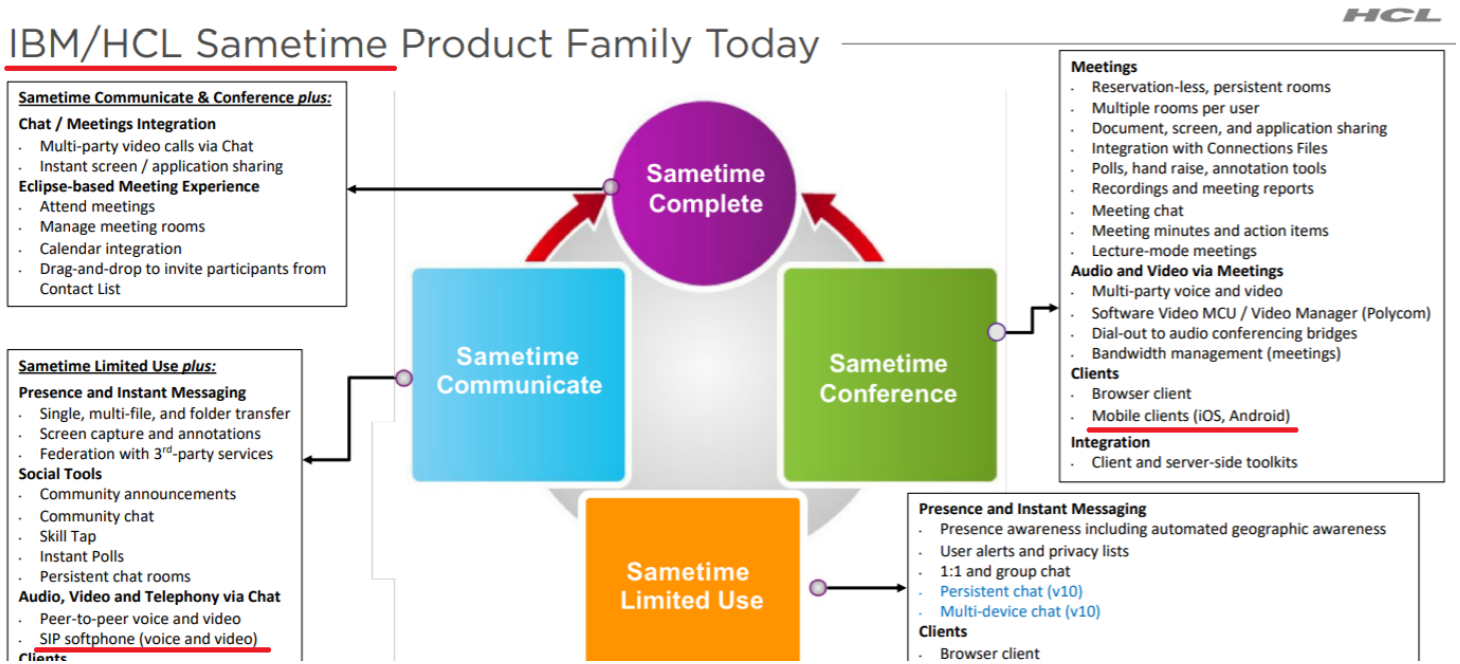

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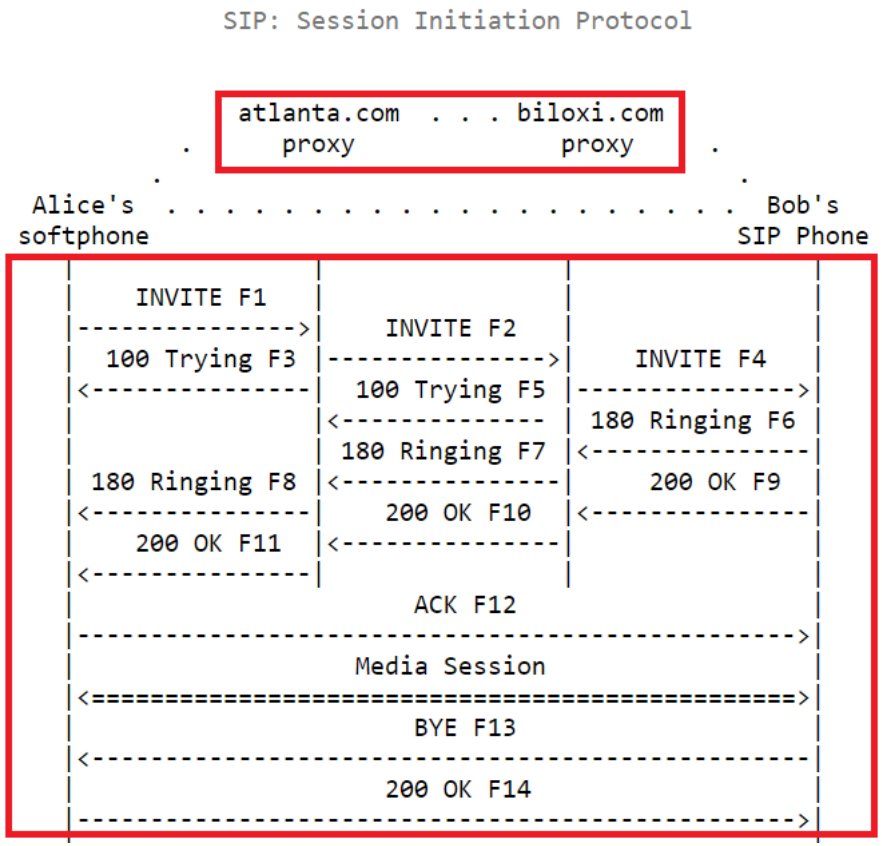
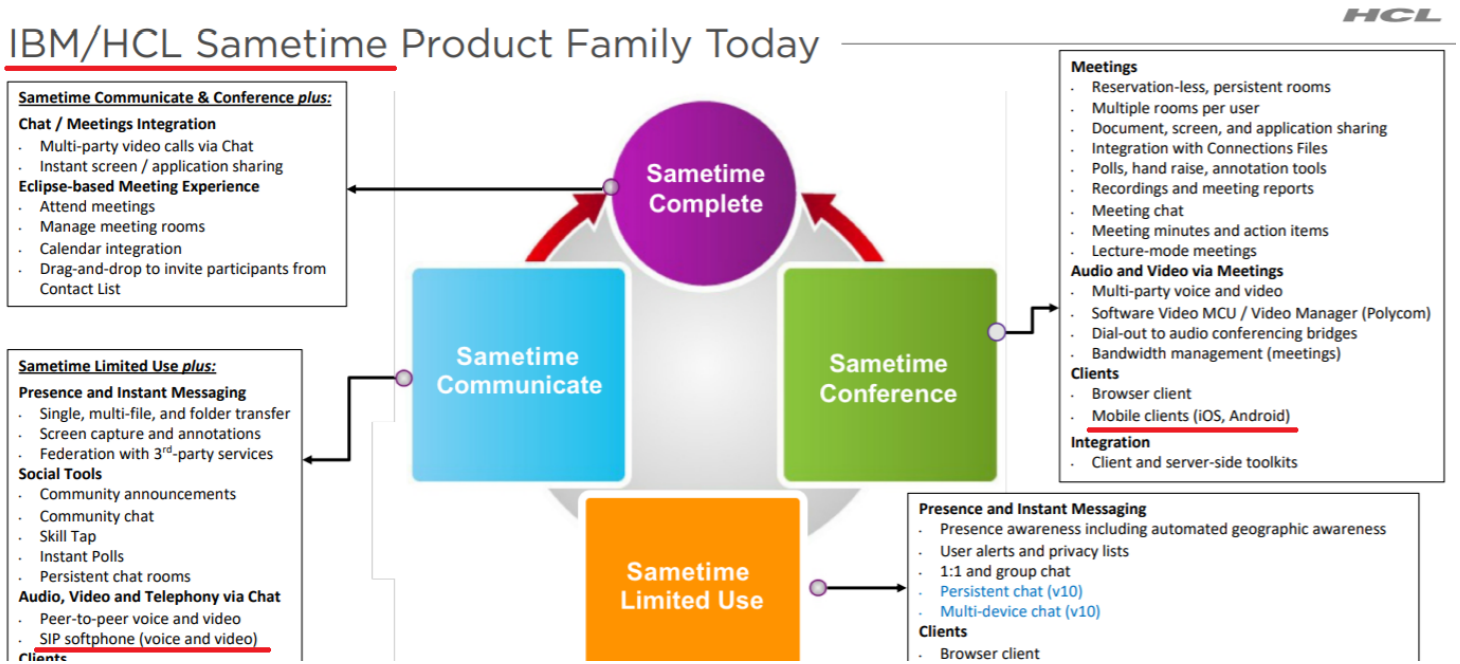
	 https://tools.ietf.org/html/rfc3261
(b) the wireless device using the module to send, over the wireless link, data to the server that defines a call request;	The wireless device (e.g., Smartphone) using the module (e.g., HCL Sametime application) to send, over the wireless link (e.g., Wi-Fi/Cellular link), data to the server (e.g., HCL Sametime server) that defines a call request (e.g., Invite signal from caller to server).



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	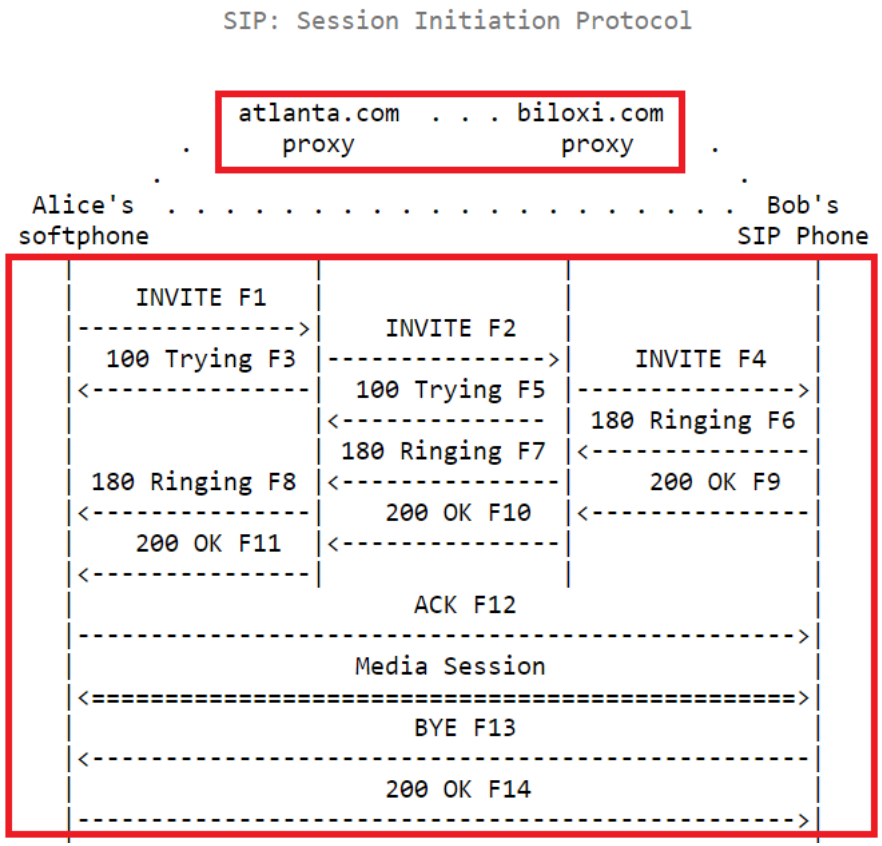 https://tools.ietf.org/html/rfc3261
(c) in response to the call request, a software application running on the server deciding on the appropriate routing to a third party end-user over all available	In response to the call request (e.g., Invite signal from caller to server), a software application (e.g., software pertaining to SIP proxy running at HCL server to route/manage calls) running on the server (e.g., HCL Sametime Server) deciding on the appropriate routing (e.g., Invite signal from server to callee) to a third party end-user (e.g., Other users using HCL Sametime) over all available networks for that call request (e.g., Invite signal from caller to server) without using the network operator's home or visitor location register.

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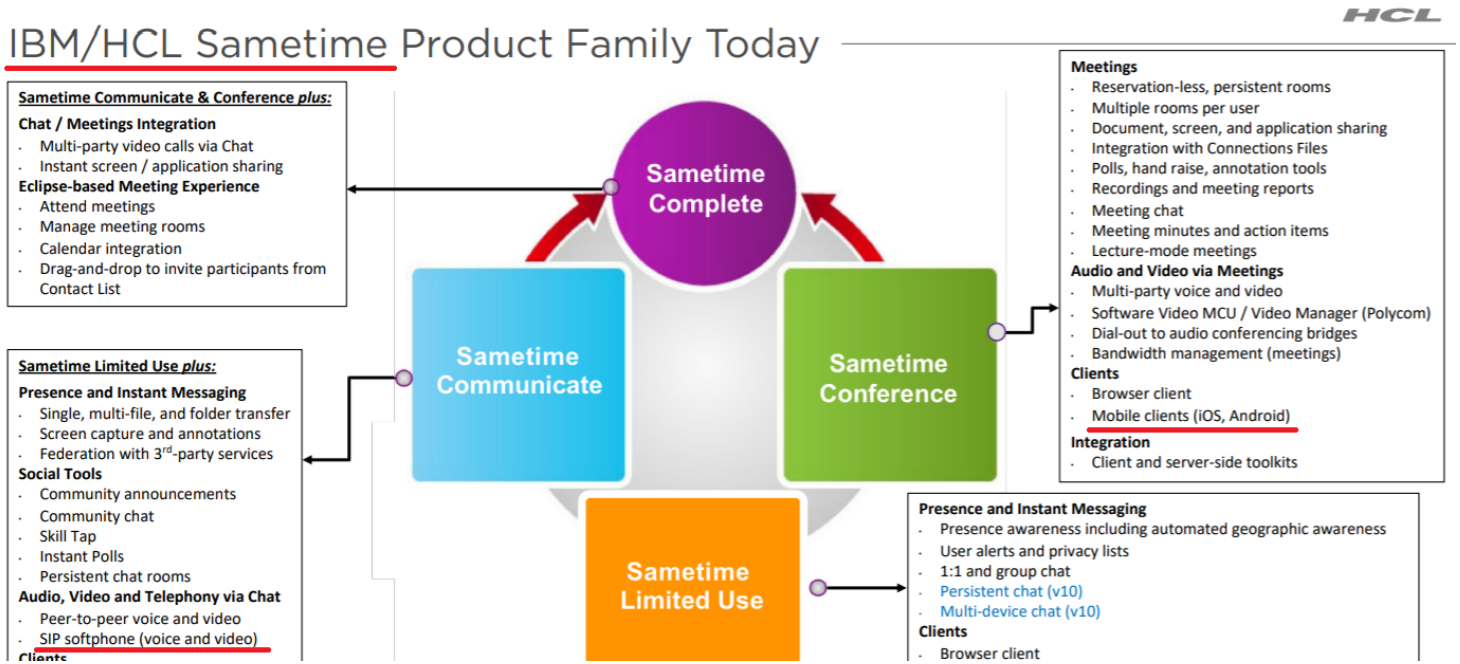

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	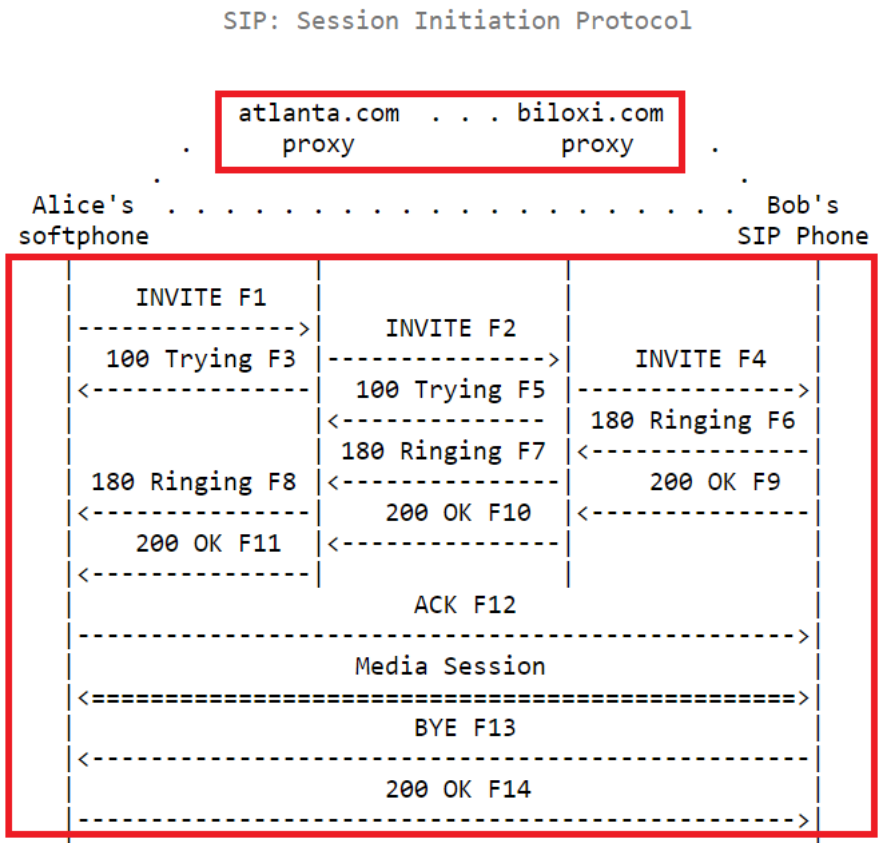 https://tools.ietf.org/html/rfc3261
12. The method of claim 1 in which the module establishes and controls communication between the device and the server.	The module (e.g., HCL Sametime application) establishes and control communication (e.g., SIP communication) between the wireless device (e.g., Smartphone) and the server (e.g., HCL Sametime server).

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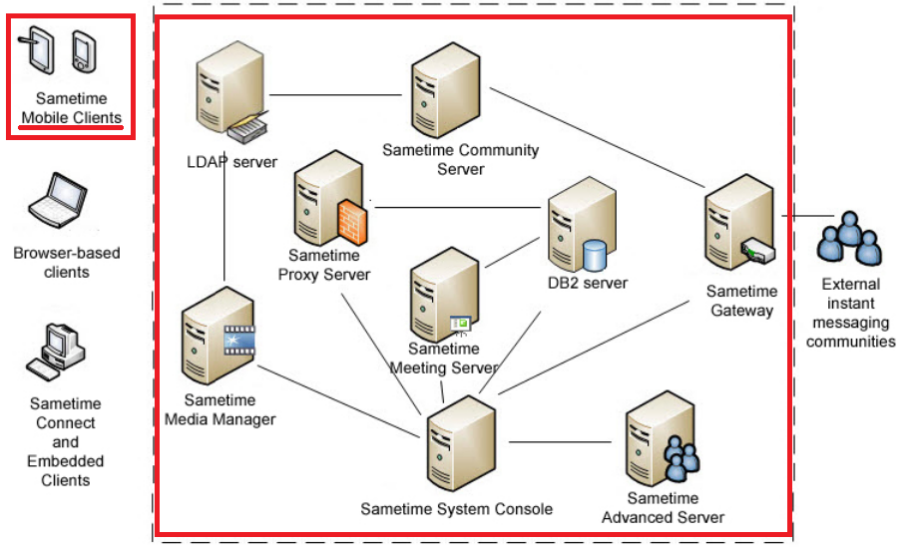

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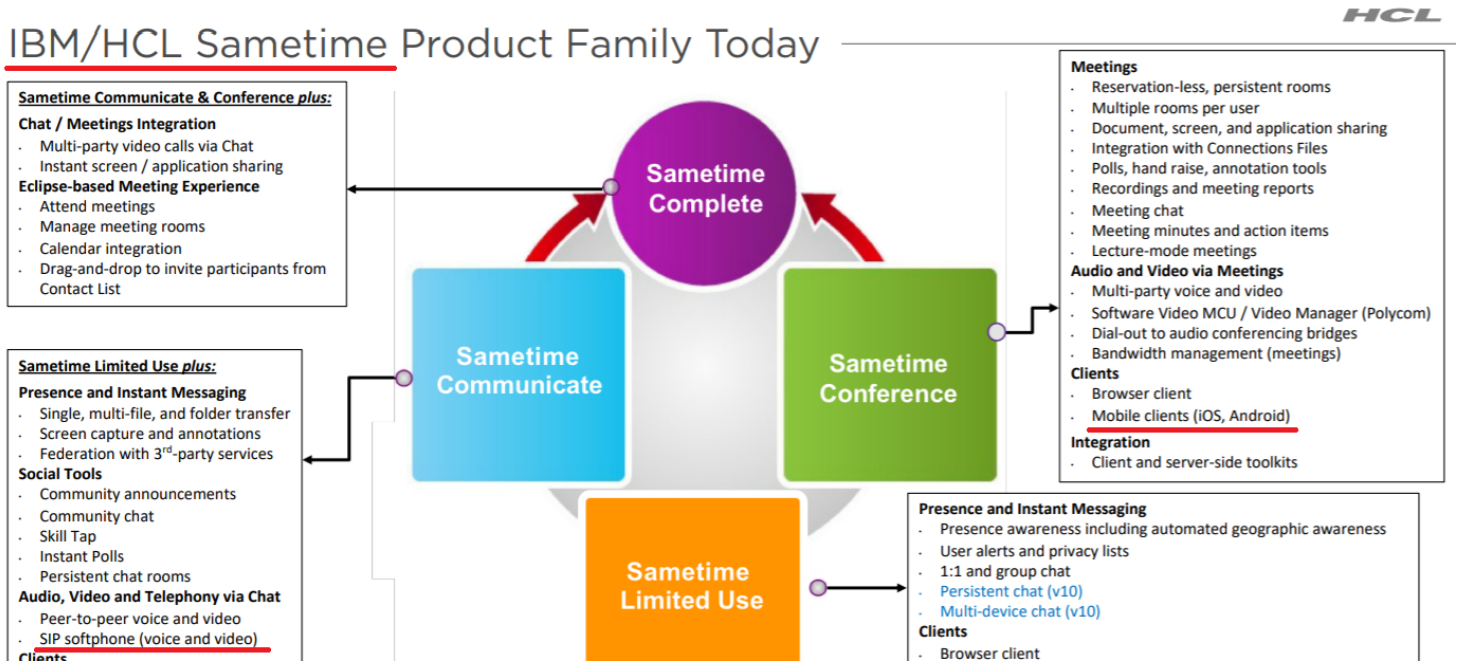

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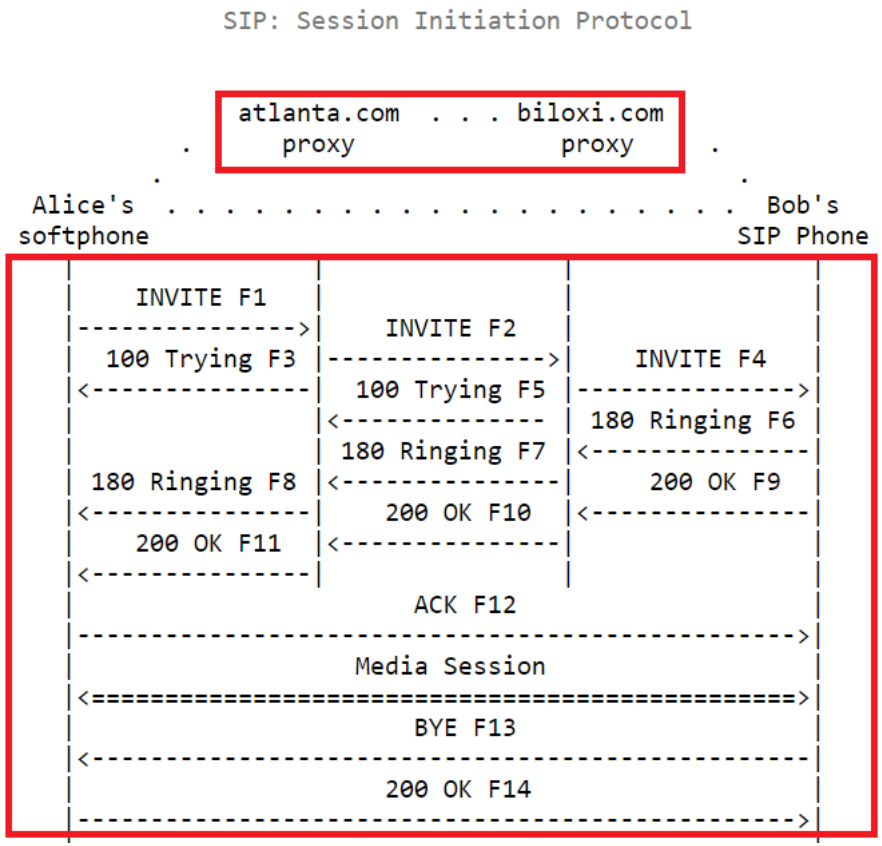
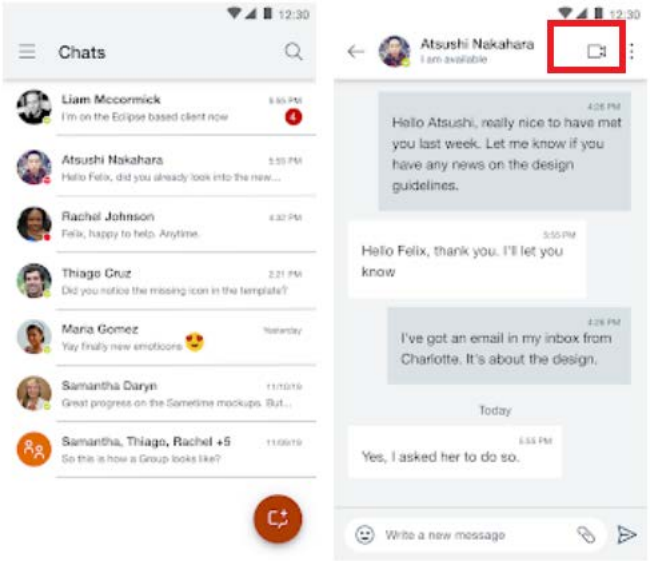
	 https://tools.ietf.org/html/rfc3261
23. A system comprising a wireless device located in a region and a server for enabling the wireless device to communicate with the server to	The accused product discloses a system comprising a wireless device (e.g., Smartphone) located in a region and a server (e.g., HCL Sametime Server) for enabling the wireless device (e.g., Smartphone) to communicate with the server (e.g., HCL Sametime Server) to initiate a network connection (e.g., SIP Invite) without using a network operator's home location register that covers that region, wherein the server includes a software application (e.g., software running at HCL server to route/manage calls) that functions as a calls manager.

initiate a network connection without using a network operator's home location register that covers that region, wherein the server includes a software application that functions as a calls manager, wherein:	 HCL Sametime HCL Software Communication 3+ This app is compatible with your device. Add to Wishlist Install  https://play.google.com/store/apps/details?id=com.hcl.android.sametime&hl=en

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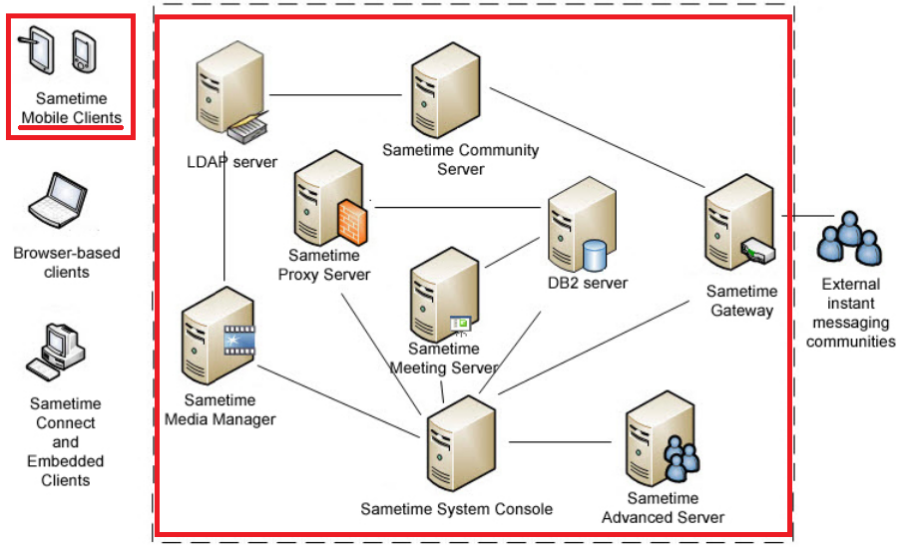

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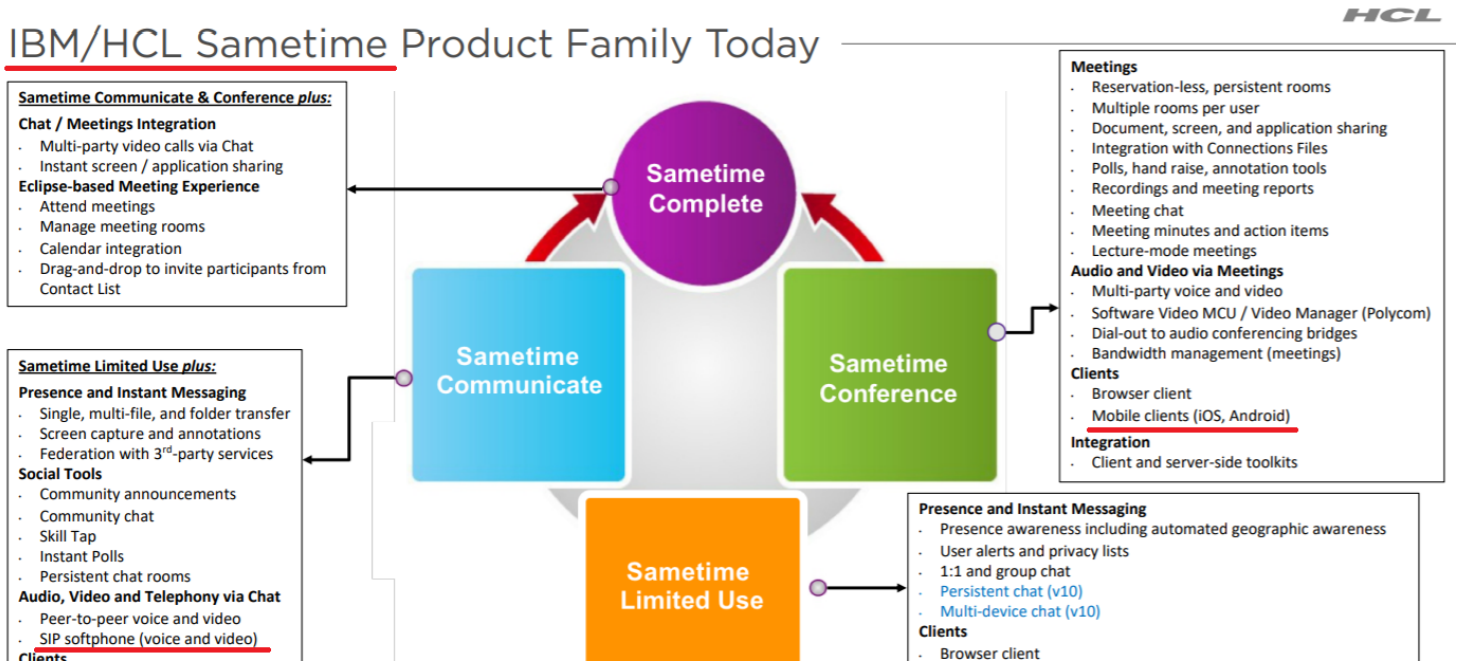

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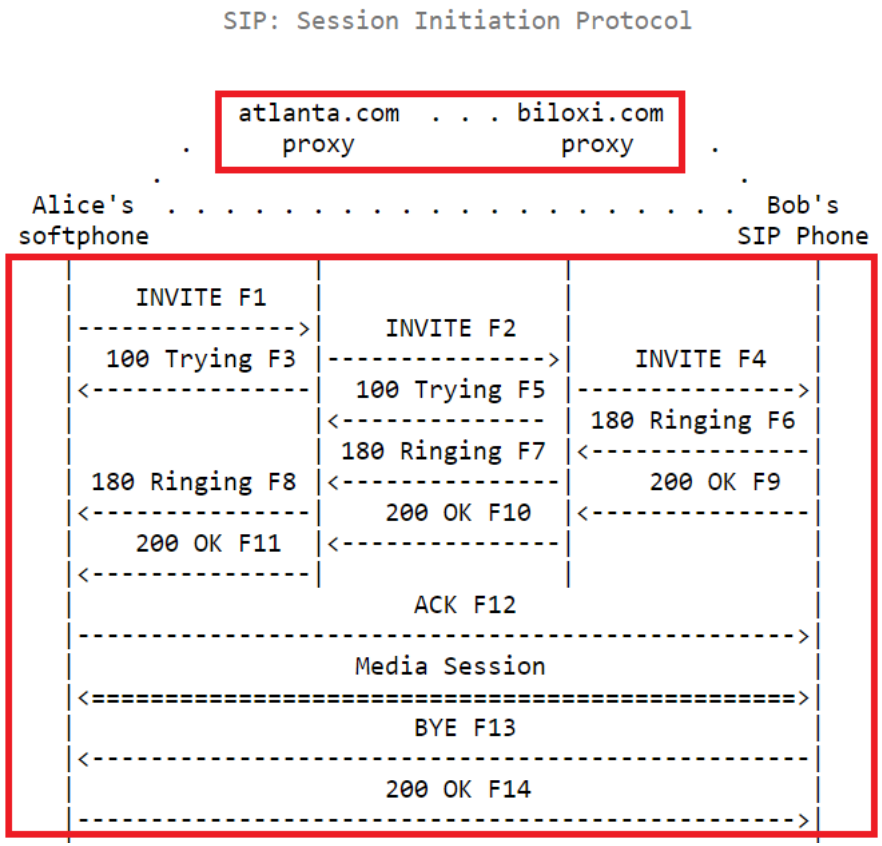
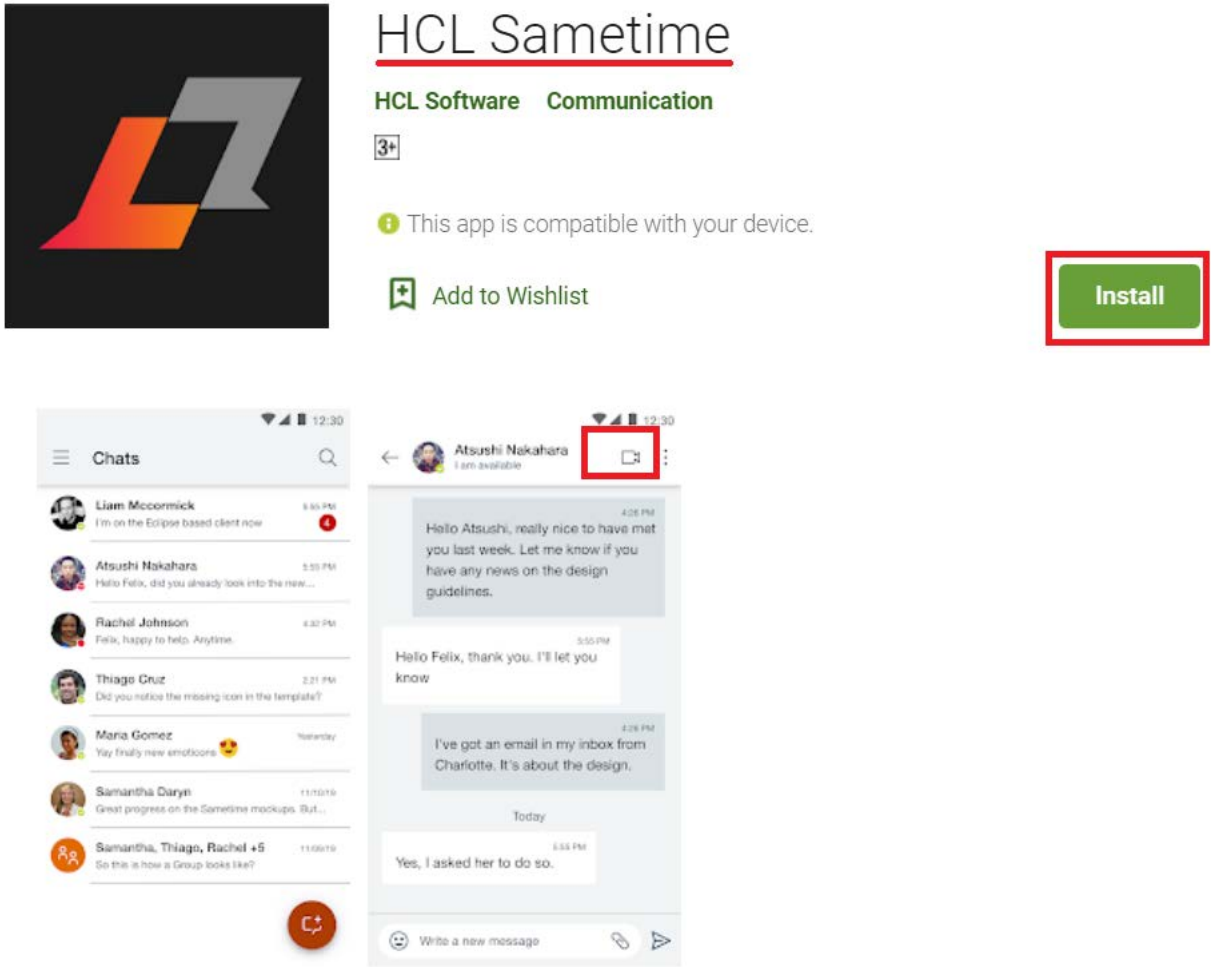
	 https://tools.ietf.org/html/rfc3261
(a) the wireless device is operable using a module that is responsible for contacting the server to communicate with the server over a wireless link, wherein the device	The wireless device (e.g., Smartphone) is operable using a module (e.g., HCL Sametime application) that is responsible for contacting a server (e.g., HCL Sametime server) to communicate with the server (e.g., HCL Sametime server) over a wireless link (e.g., Wi-Fi/Cellular link), wherein the wireless device (e.g., Smartphone) includes the module (e.g., HCL Sametime application) that is implemented as software and that is downloadable to the wireless device (e.g., Smartphone).

includes the module that is implemented as software and that is downloadable to the device;	 https://play.google.com/store/apps/details?id=com.hcl.android.sametime&hl=en

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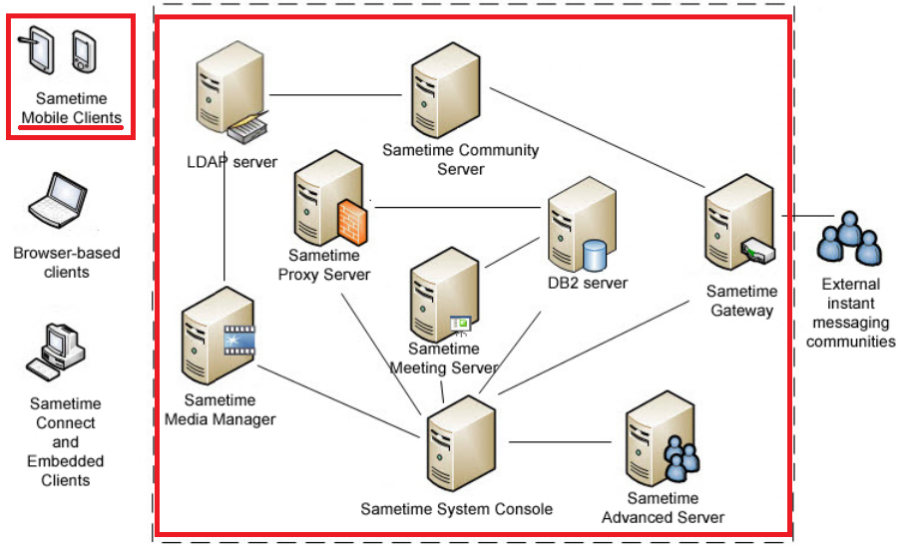

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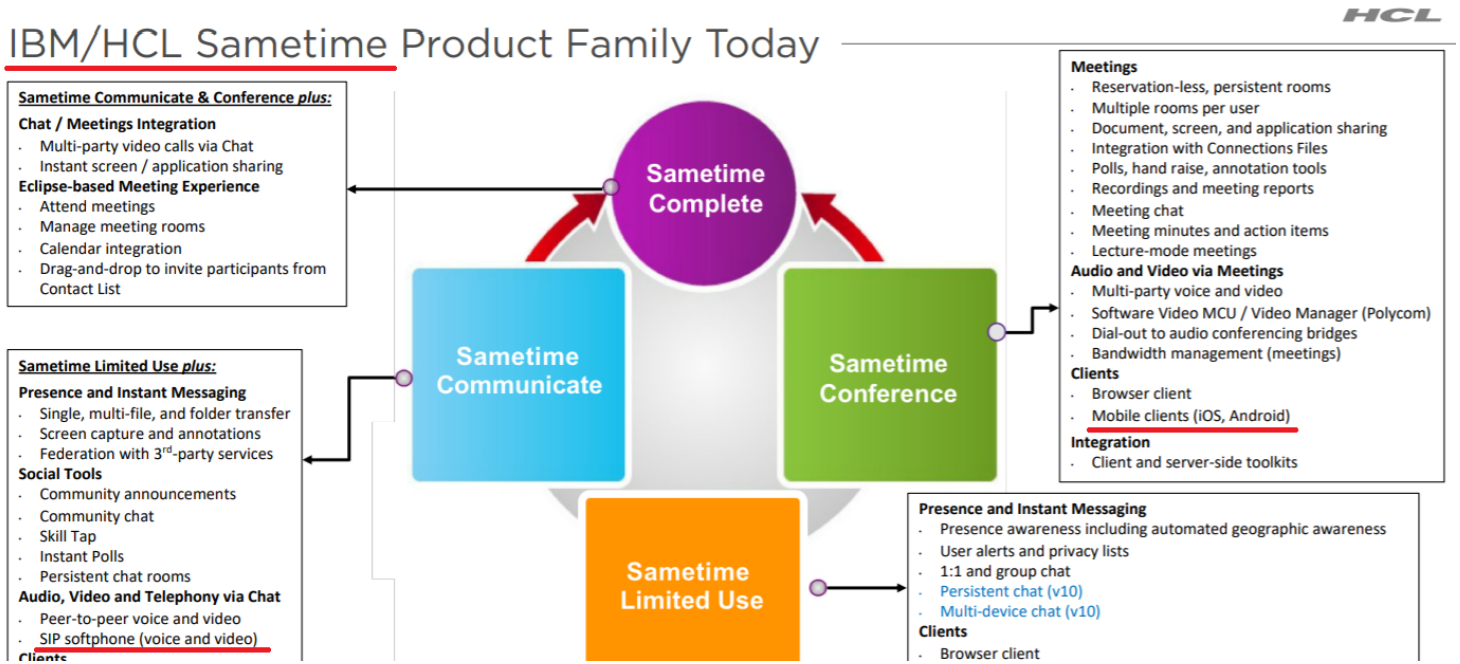

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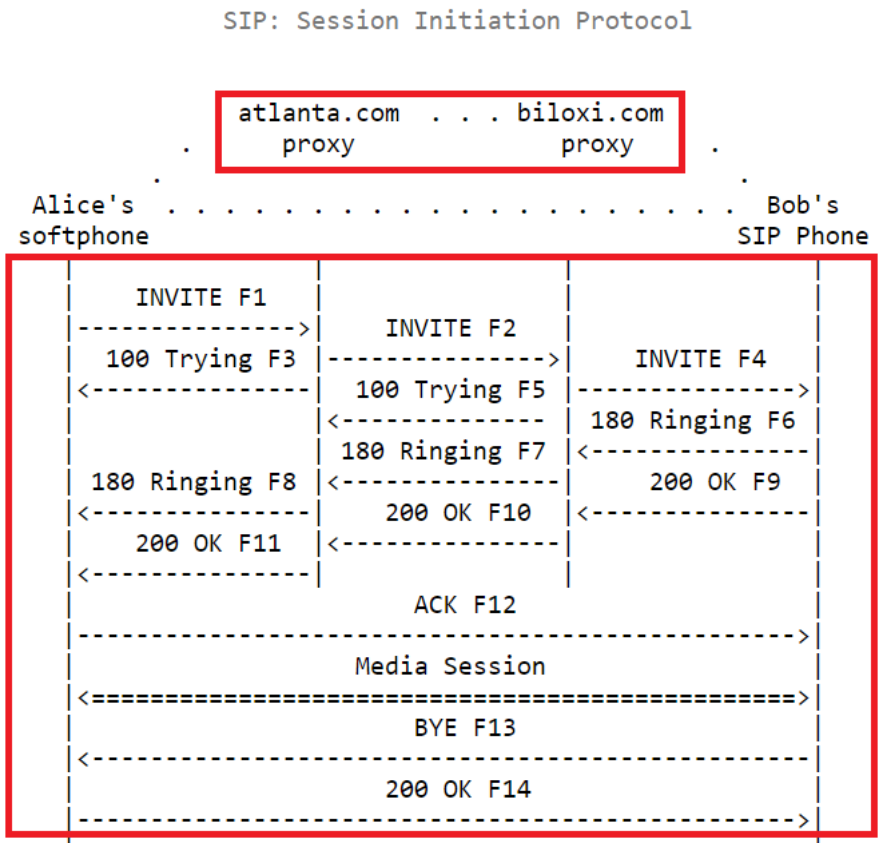
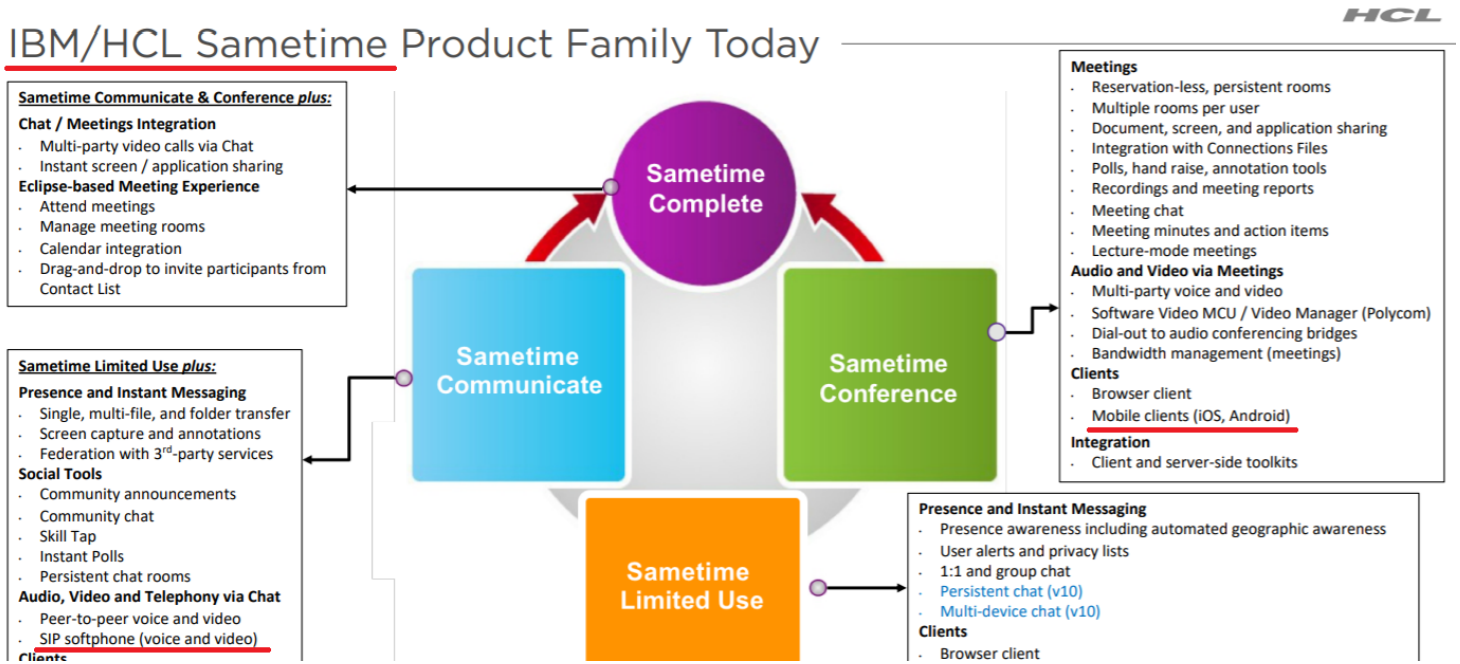
	 https://tools.ietf.org/html/rfc3261
(b) the wireless device is operable using the module to send, over the wireless link, data to the server that defines a call request;	The wireless device (e.g., Smartphone) is operable using the module (e.g., HCL Sametime application) to send, over the wireless link (e.g., Wi-Fi/Cellular link), data to the server (e.g., HCL Sametime server) that defines a call request (e.g., Invite signal from caller to server).



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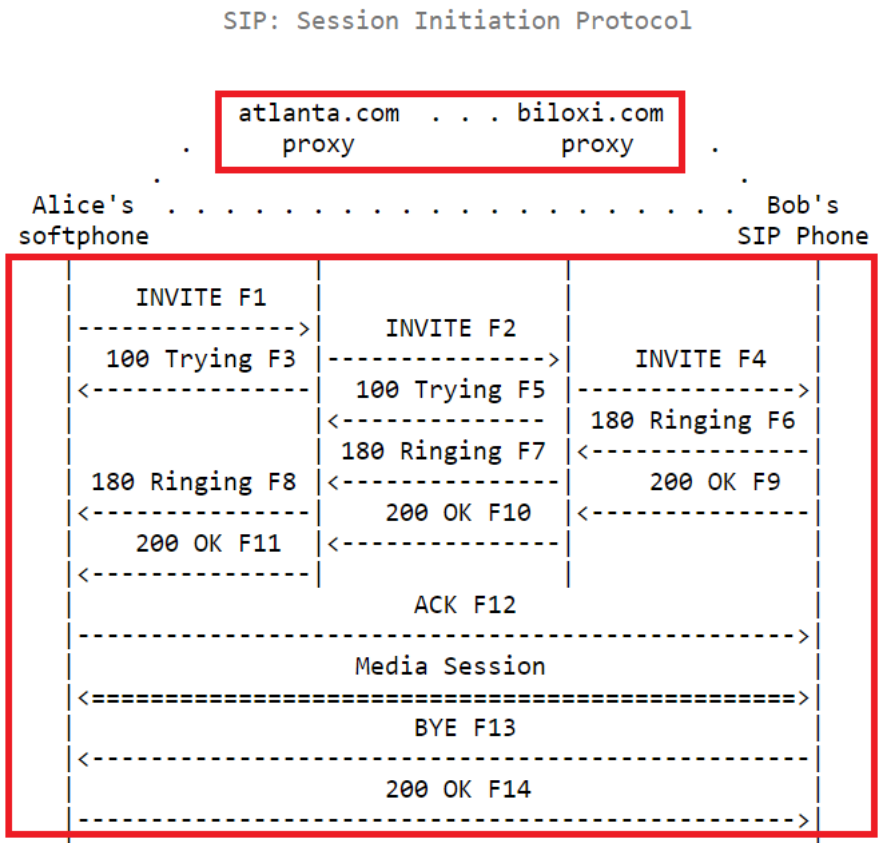
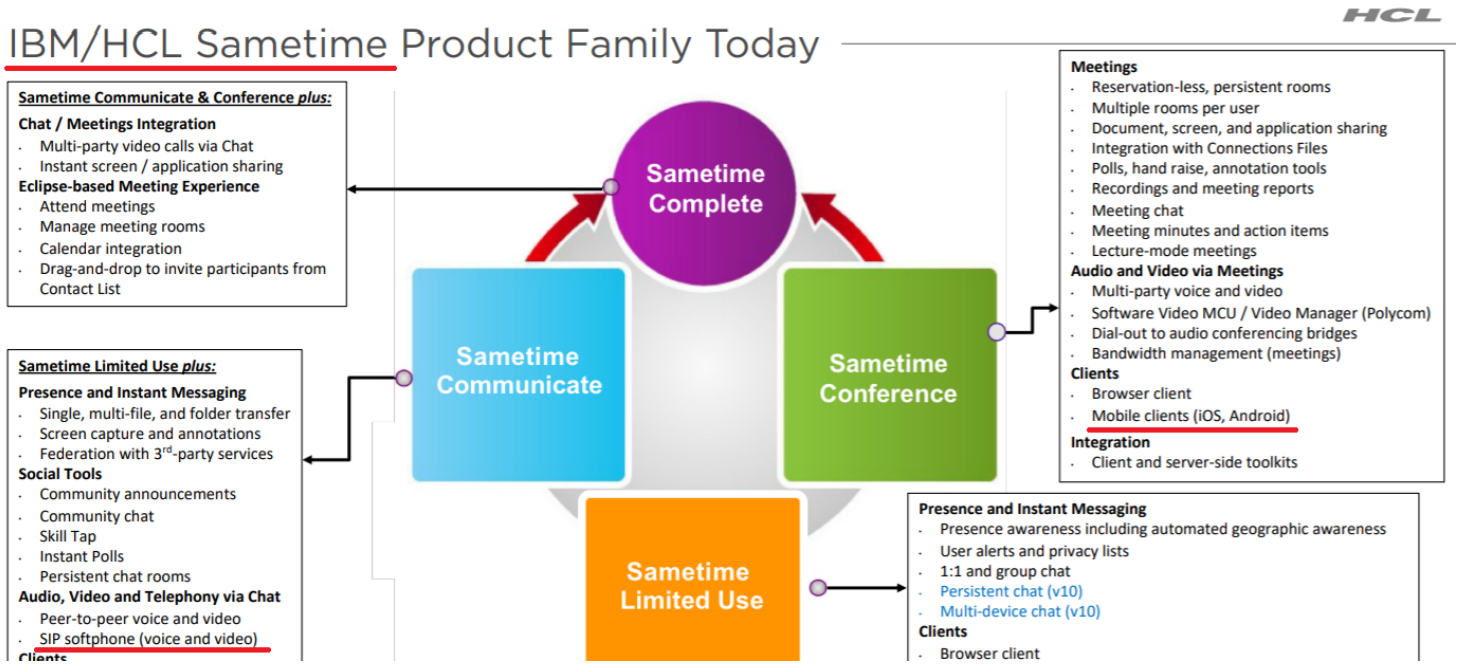
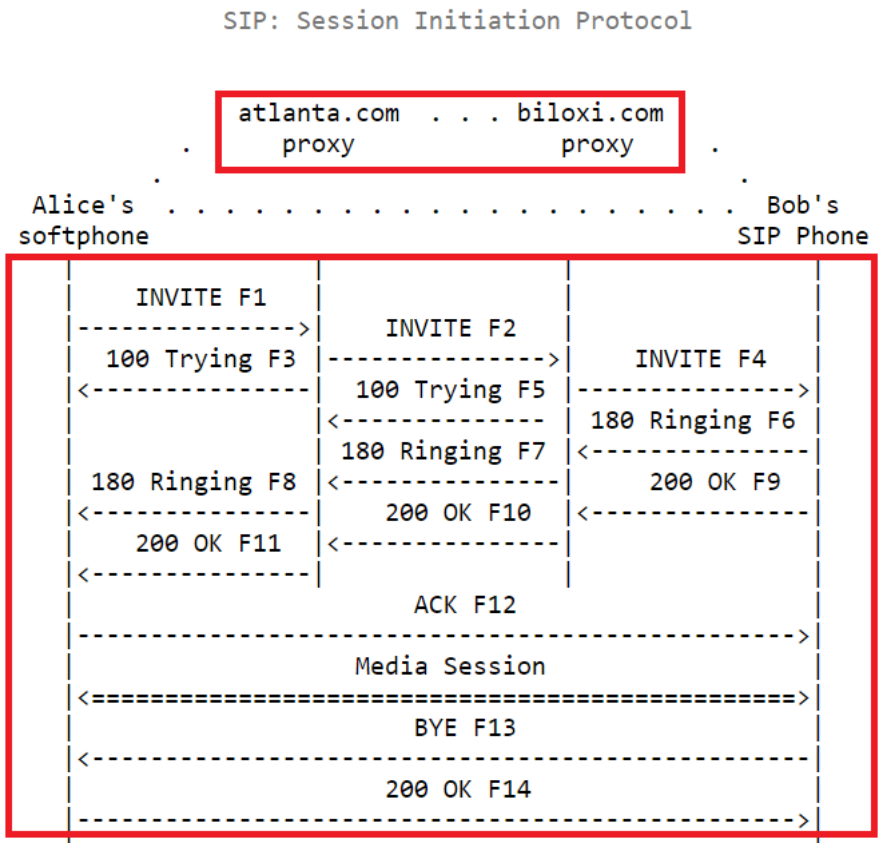
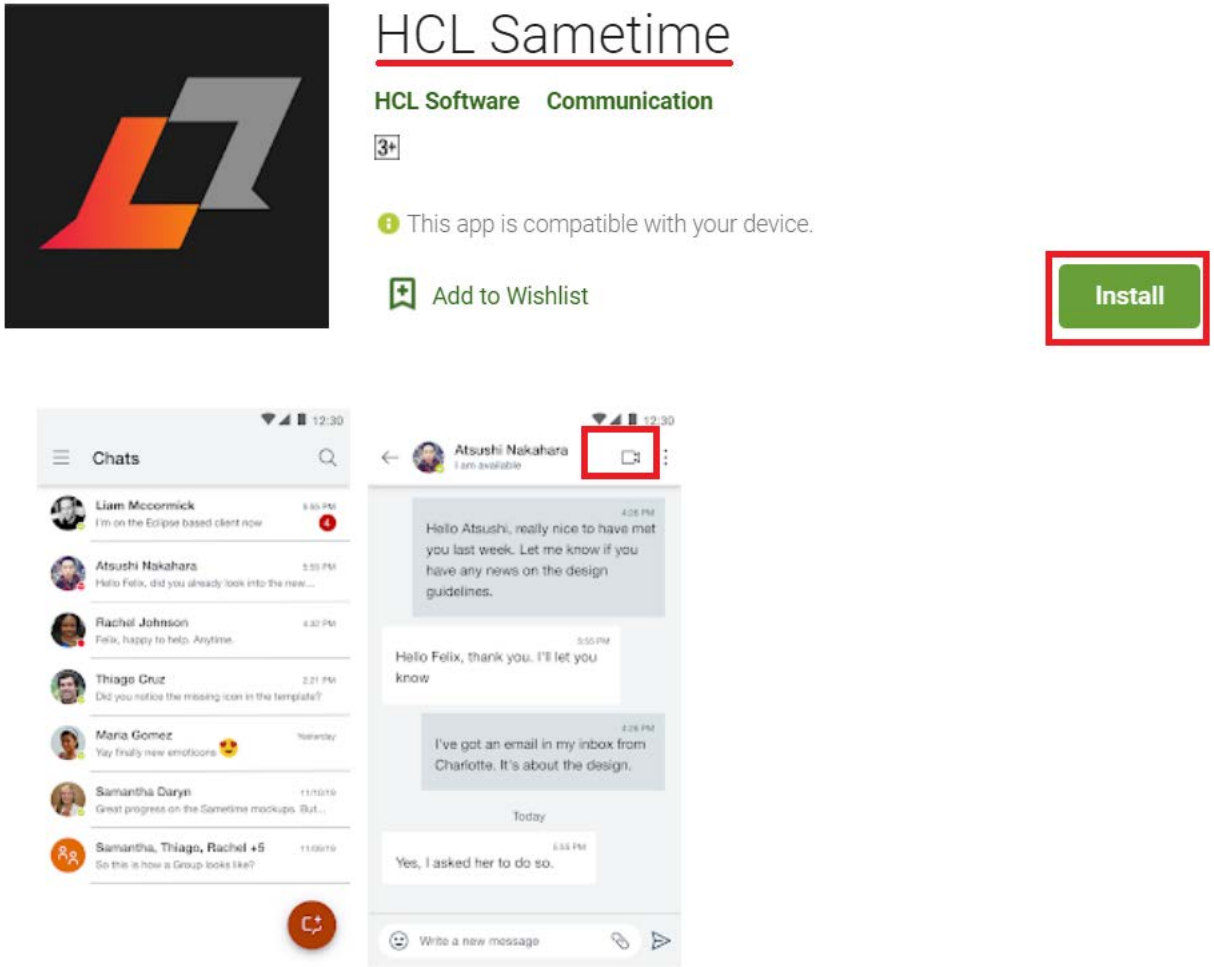
	 https://tools.ietf.org/html/rfc3261
(c) in response to the call request, the calls manager software included on the server is operable to decide on the appropriate routing to a third party end-user	In response to the call request (e.g., Invite signal from caller to server), the calls manager software (e.g., software pertaining to SIP proxy running at HCL server Server to route/manage calls) included on the server (e.g., HCL Sametime Server) is operable to decide on the appropriate routing (e.g., Invite signal from server to callee) to a third party end-user (e.g., Other users using HCL Sametime) over all available networks for that call request (e.g., Invite signal from caller to server) without using the network operator's home or visitor location register.

over all available networks for that call request without using the network operator's home or visitor location register.	 https://www.cwpcollaboration.com/uploads/1/0/2/7/102707030/hcl_factory_tour_4_sametime_v11.pdf

	 https://tools.ietf.org/html/rfc3261
24. A server for enabling a wireless device to communicate with the server to initiate a network connection without using a network	The accused product discloses a server enabling a wireless device (e.g., Smartphone) to communicate with the server (e.g., HCL Sametime Server) to initiate a network connection (e.g., SIP invite) without using a network operator's home location register that covers that region, wherein the server includes a software application (e.g., software running at MiCollab server to route/manage calls) that functions as a calls manager.

operator's home location register, wherein the server includes a software application that functions as a calls manager, wherein:	 https://play.google.com/store/apps/details?id=com.hcl.android.sametime&hl=en

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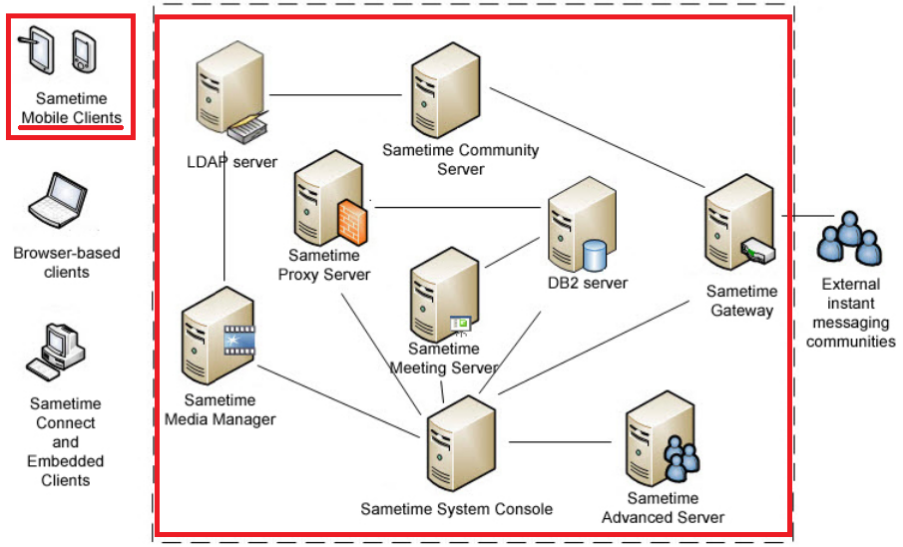

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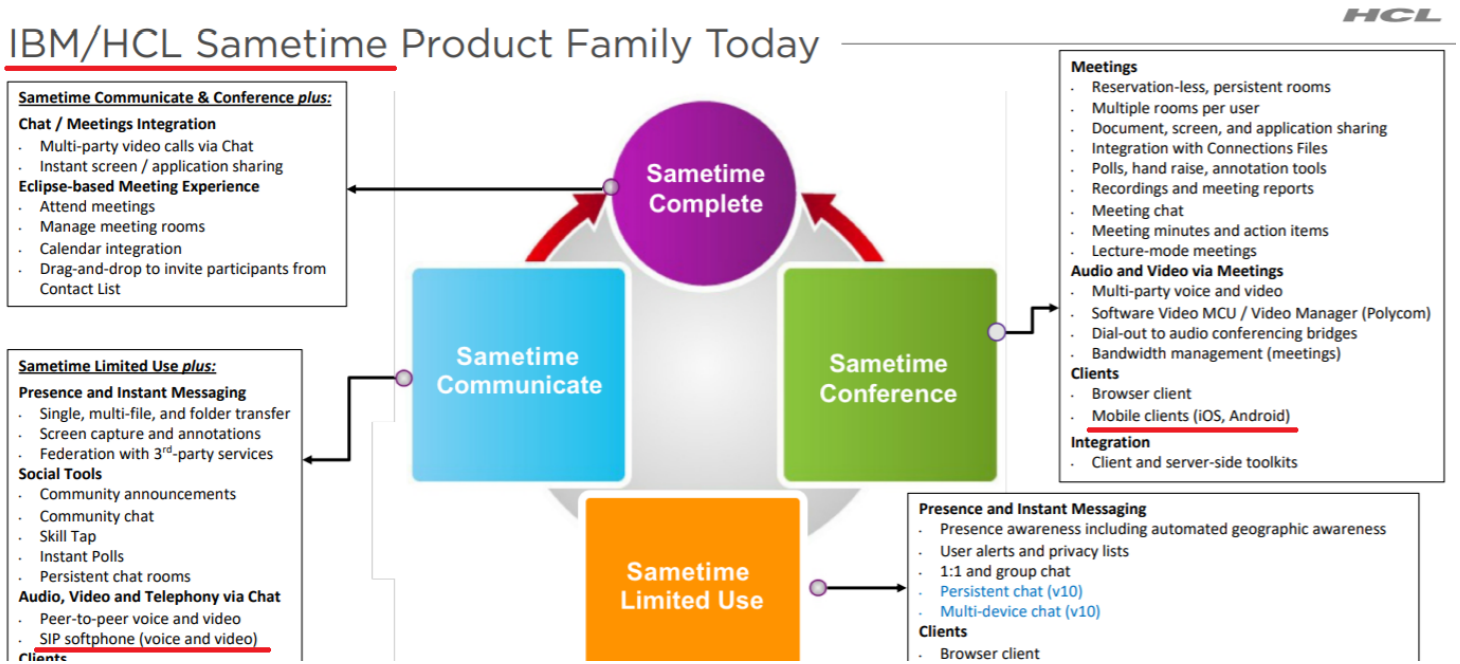

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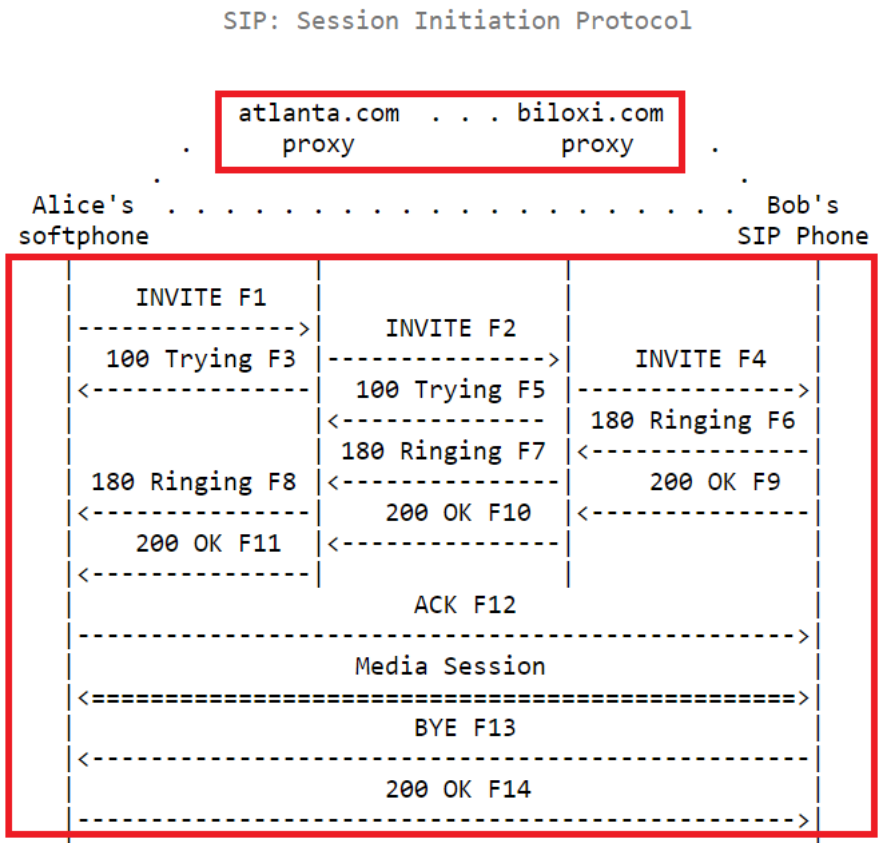
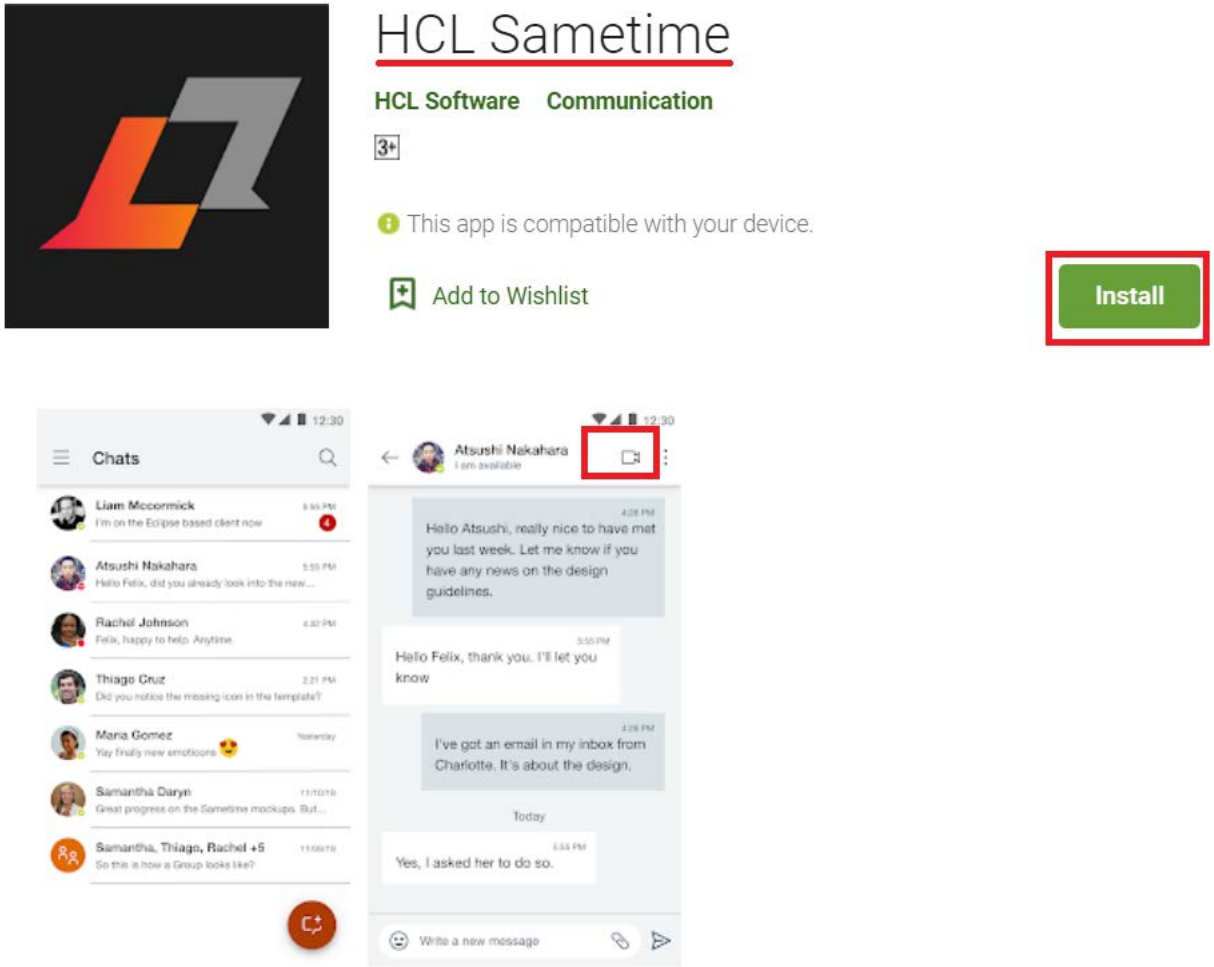
	 https://tools.ietf.org/html/rfc3261
(a) the wireless device is operable using a module that is responsible for contacting the server to communicate with the server over a wireless link, wherein the device	The wireless device (e.g., Smartphone) is operable using a module (e.g., HCL Sametime application) that is responsible for contacting a server (e.g., HCL Sametime server) to communicate with the server (e.g., HCL Sametime server) over a wireless link (e.g., Wi-Fi/Cellular link), wherein the wireless device (e.g., Smartphone) includes the module (e.g., HCL Sametime application) that is implemented as software and that is downloadable to the wireless device (e.g., Smartphone).

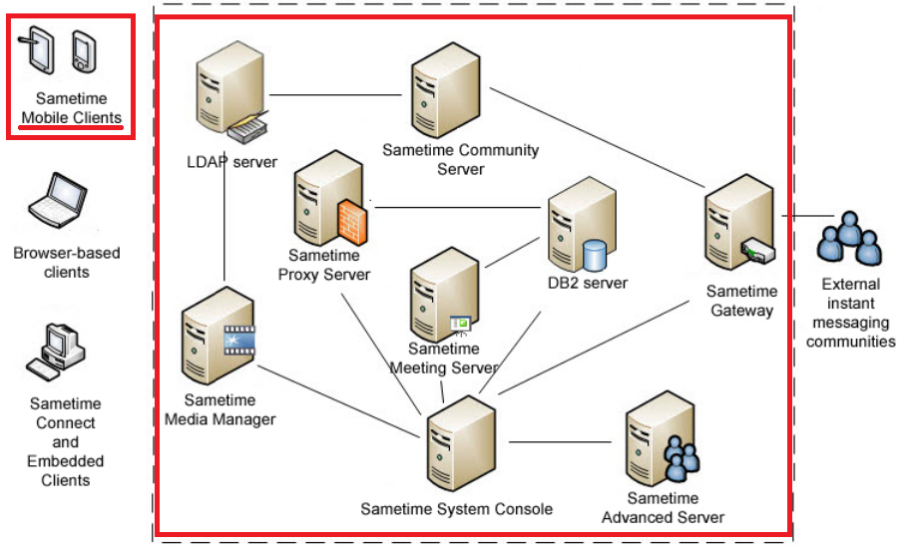
includes the module that is implemented as software and that is downloadable to the device;	 https://play.google.com/store/apps/details?id=com.hcl.android.sametime&hl=en

	HCL Sametime is a highly secure, persistent team chat app for the HCL Sametime platform. It allows users to communicate securely in real-time across devices on web, desktop or mobile. It is ideal for cross-team chat in countries with strict data privacy and gravity laws, companies in regulated industries, and government entities who need to be able to ensure the security and auditability of their data. With v11, secure conversations just got a lot easier. From a new user experience to modernized industry-standard technologies, Sametime v11 the best, most feature-rich version yet. HCL Sametime works with your Sametime 10 and 11 server infrastructure. https://play.google.com/store/apps/details?id=com.hcl.android.sametime&hl=en

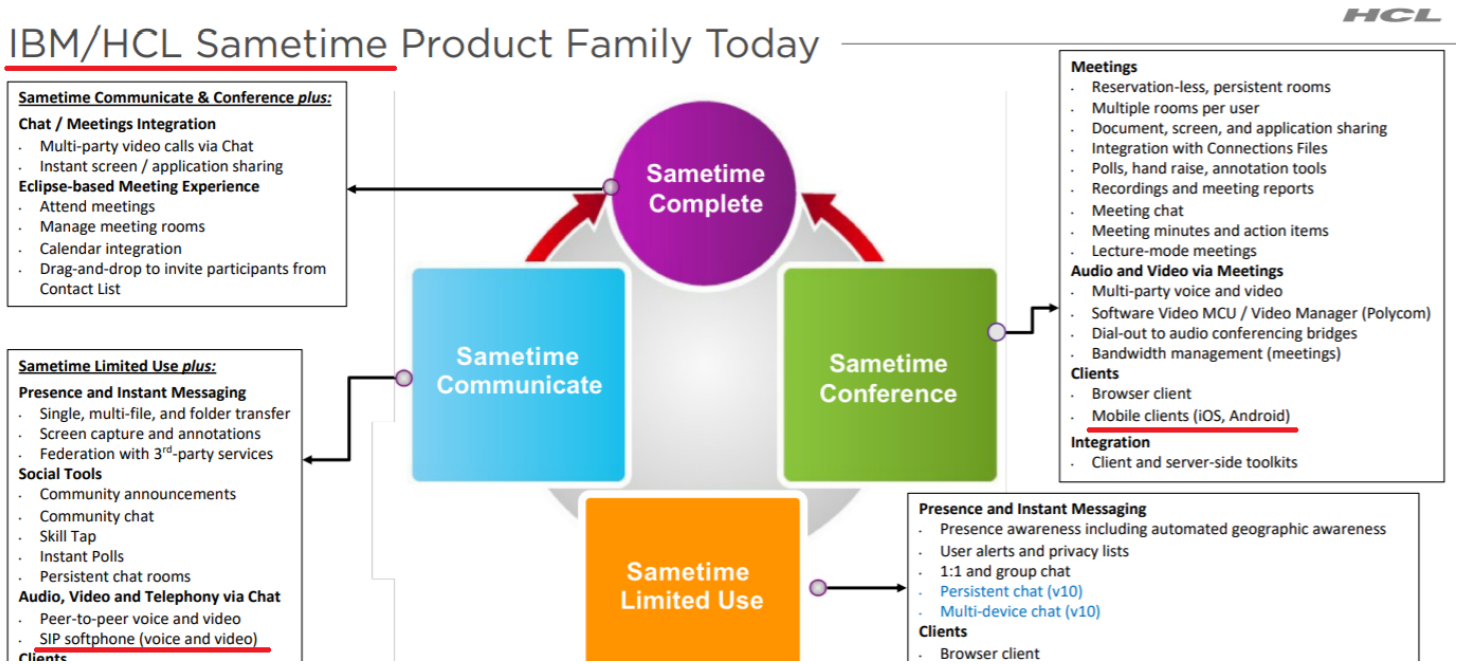
Sametime server architecture

A typical IBM® Sametime® deployment includes a cluster of servers for instant messaging on an IBM Domino®-based platform and other clustered servers running on IBM WebSphere® Application Server that support meetings, audio-visual services, and connections to a variety of clients.

The illustration shows the different types of servers and clients you can have in an IBM Sametime deployment. A Sametime deployment can be comprised of several types of Sametime servers and several types of Sametime clients.



https://help.hcltechsw.com/sametime/10.0/plan/over_server_arch.html



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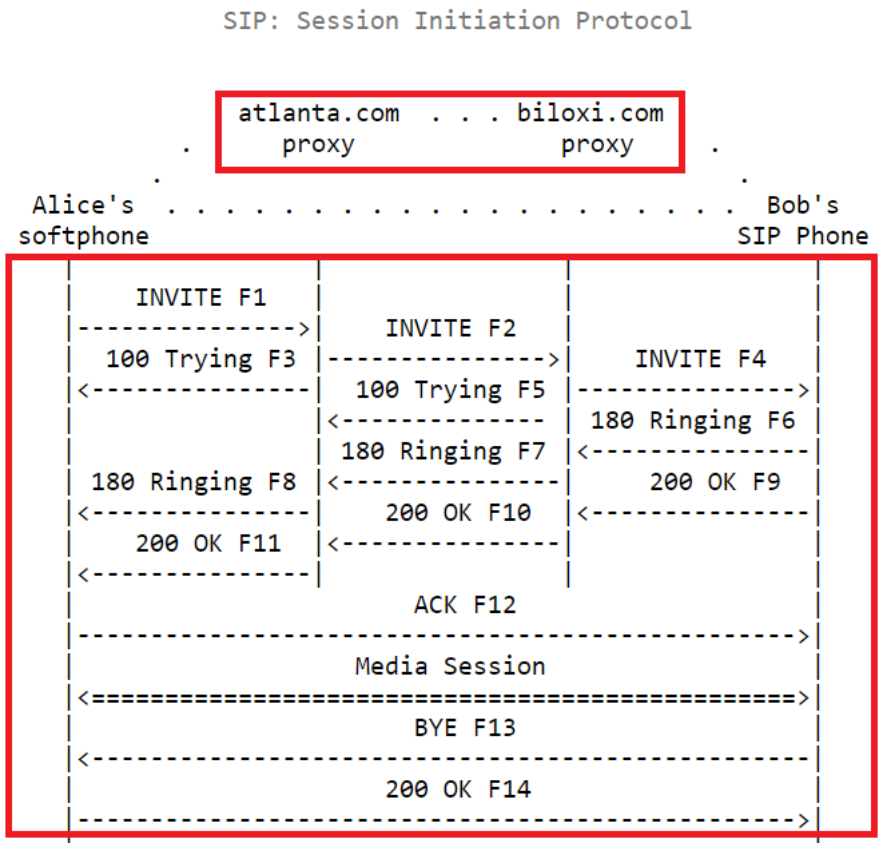
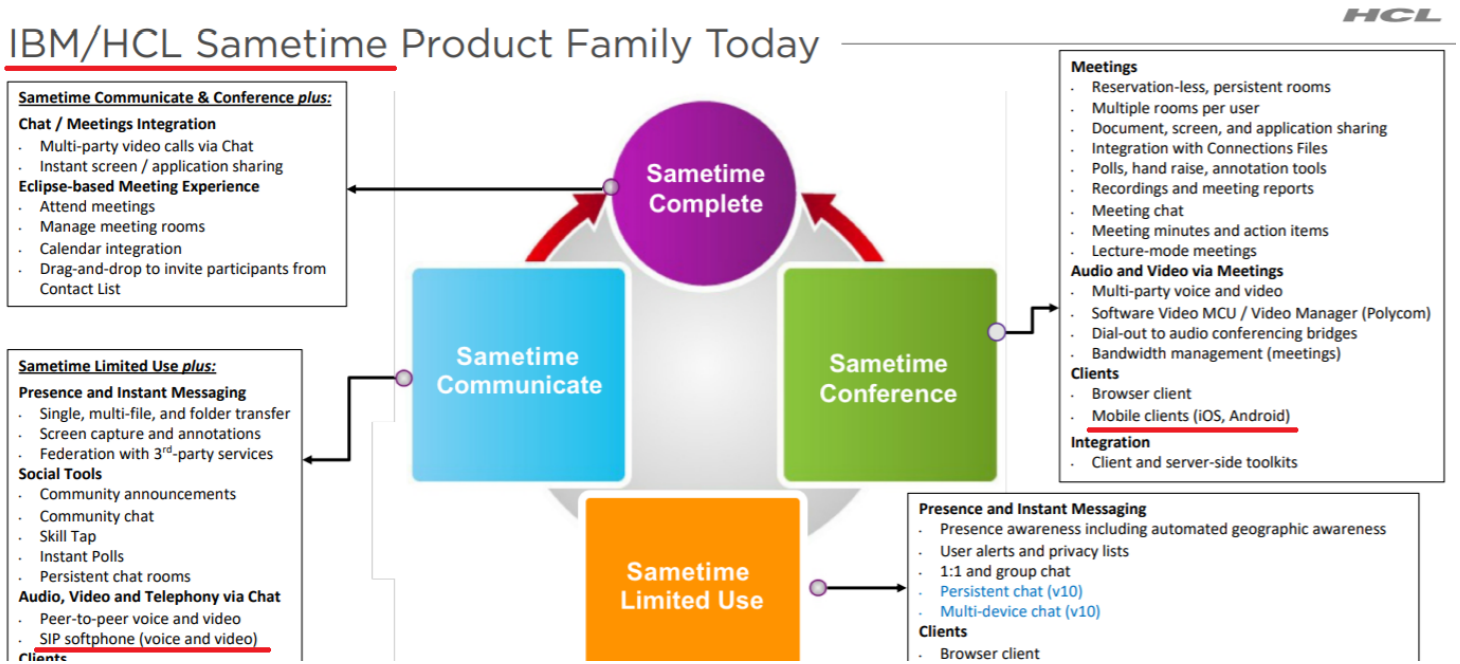
	 https://tools.ietf.org/html/rfc3261
(b) the wireless device is operable using the module to send, over the wireless link, data to the server that defines a call request;	The wireless device (e.g., Smartphone) is operable using the module (e.g., HCL Sametime application) to send, over the wireless link (e.g., Wi-Fi/Cellular link), data to the server (e.g., HCL Sametime server) that defines a call request (e.g., Invite signal from caller to server).



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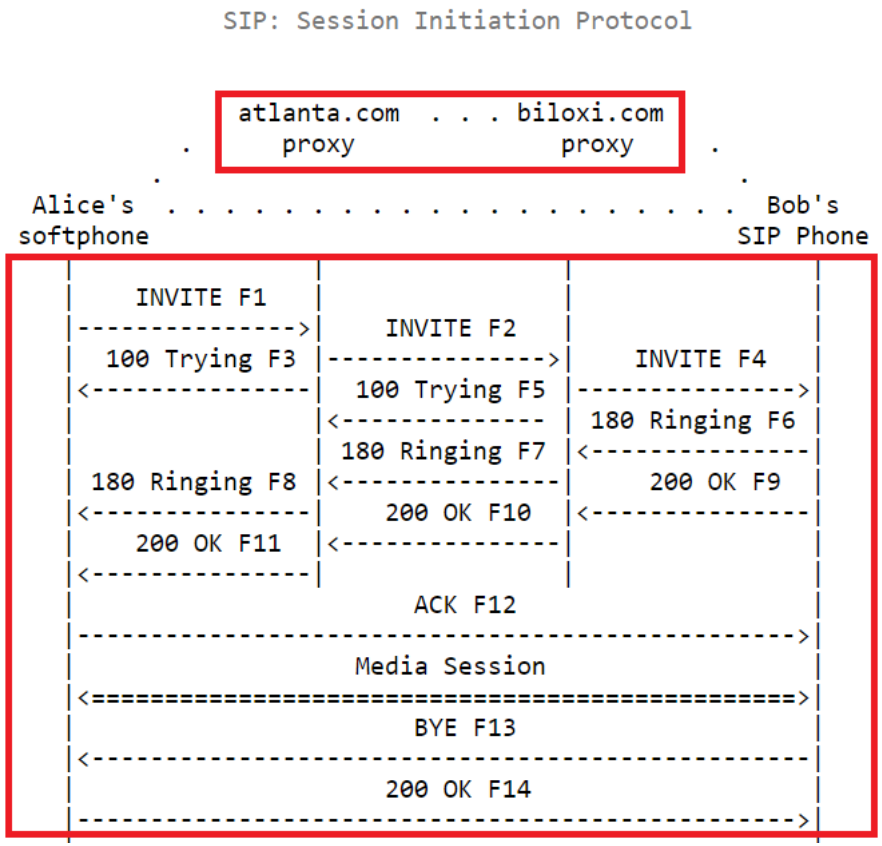
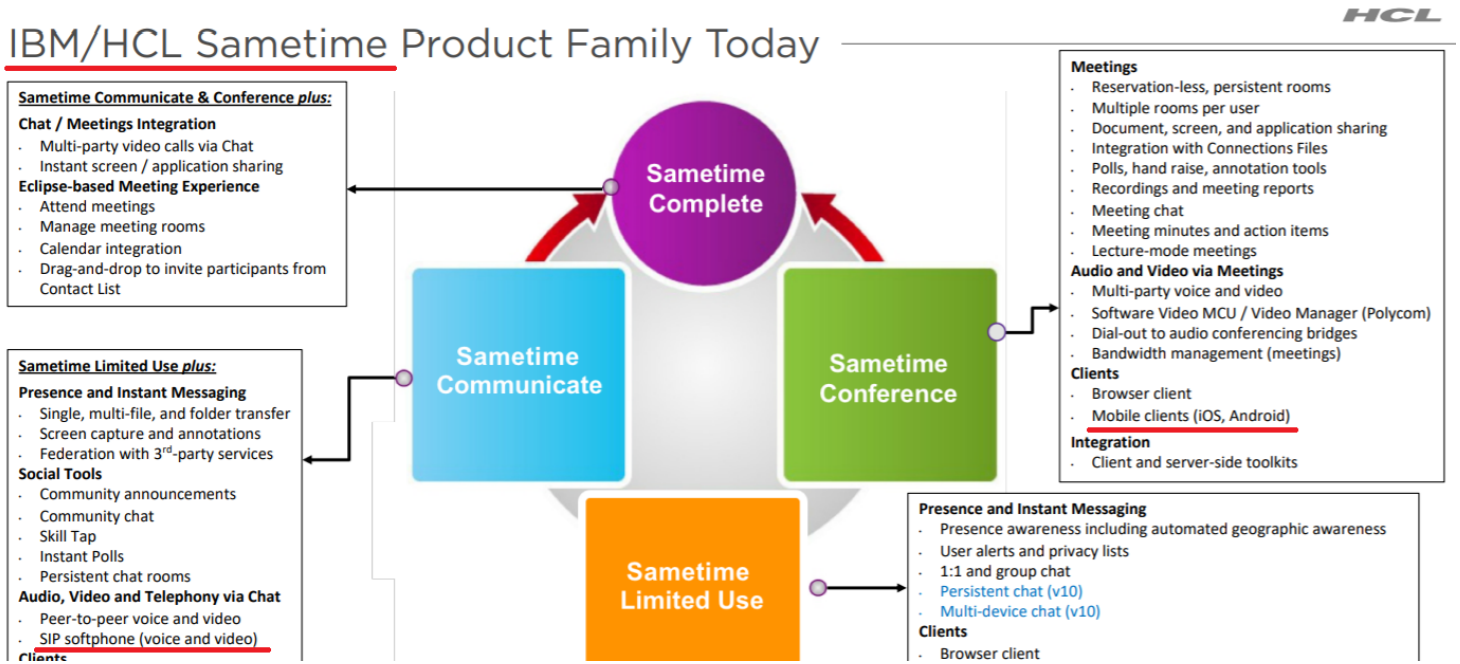
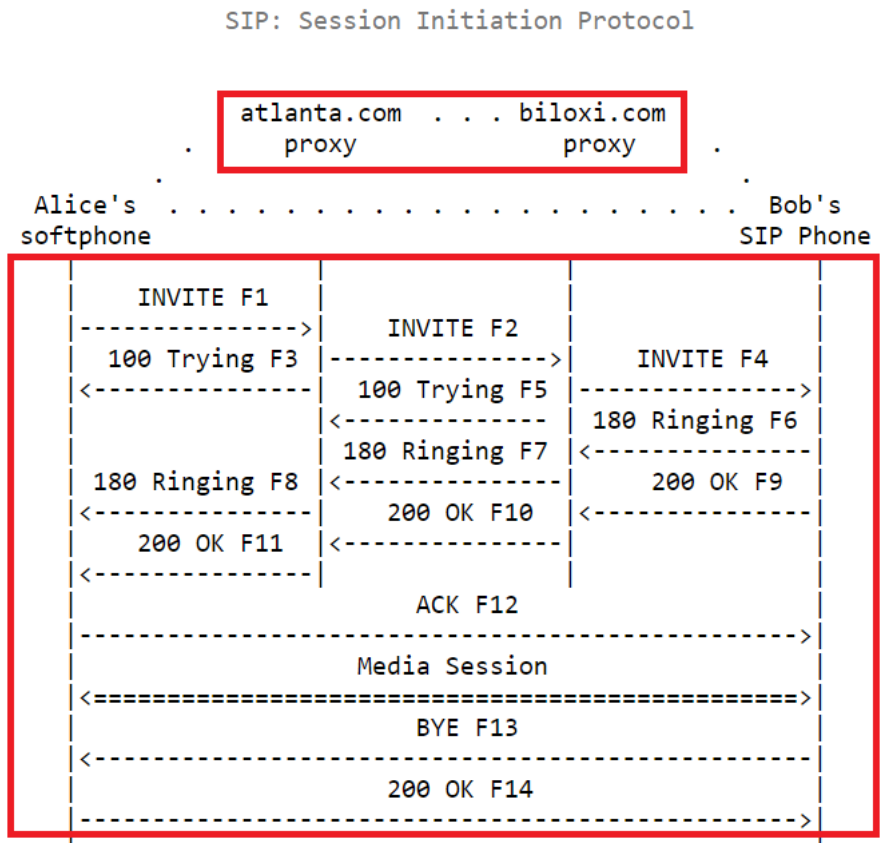
	 https://tools.ietf.org/html/rfc3261
(c) in response to the call request, the calls manager software included on the server is operable to decide on the appropriate routing to a third party end-user	In response to the call request (e.g., Invite signal from caller to server), call manager software (e.g., software pertaining to SIP proxy running at HCL server Server to route/manage calls) included on the server (e.g., HCL Sametime Server) is operable to decide on the appropriate routing (e.g., Invite signal from server to callee) to a 3rd party end-user (e.g., Other users using HCL Sametime) for that call request without using the network operator's home or visitor location register.

over all available networks for that call request without using that network operator's home or visitor location register.	 https://www.cwpcollaboration.com/uploads/1/0/2/7/102707030/hcl_factory_tour_4_sametime_v11.pdf



https://tools.ietf.org/html/rfc3261